**Installing Drupal and Joomla with Xampp**

**A 10 Minutes game !**

So now we are about to start installing Joomla and Drupal on Linux PC, here are some of the software's which are required.

**Drupal Latest** *(Download it from* – http://drupal.org/project/drupal

**XAMPP for Linux** *(Download it from*– http://www.apachefriends.org/en/xampp-linux.html

**Joomla latest** *(download it from* -http://www.joomla.org/download.html )




**Save the following three files on your Desktop.)**

1. xampp-linux-1.7.1.tar.gz
2. drupal-6.13.tar.gz
3. Joomla_1.5.13-Stable-Full_Package.tar.gz

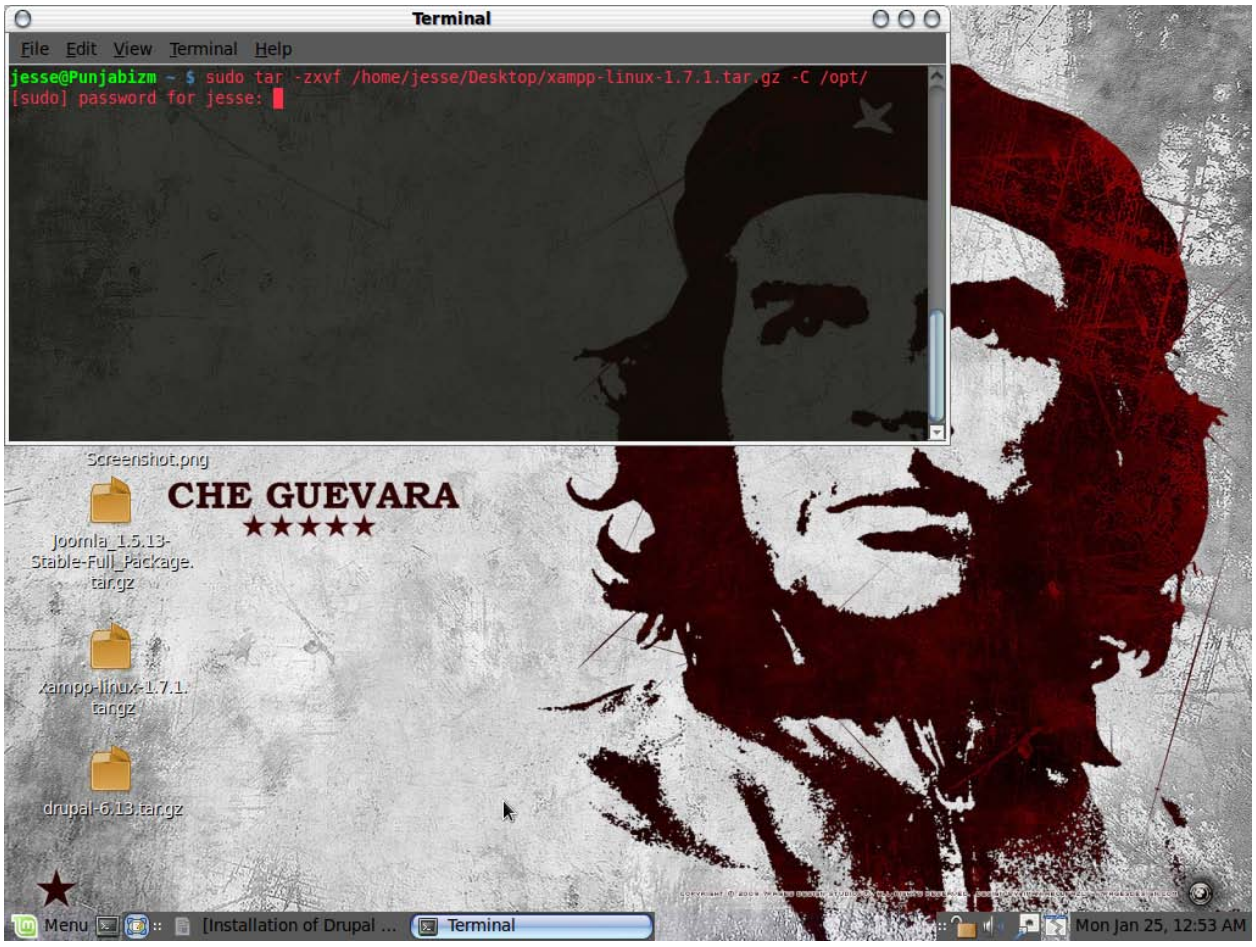
**First of all install XAMPP on the P.C. by CLI.**

Install XAMPP by extracting its content in a folder named “opt”, this folder is located at the root of the file system.

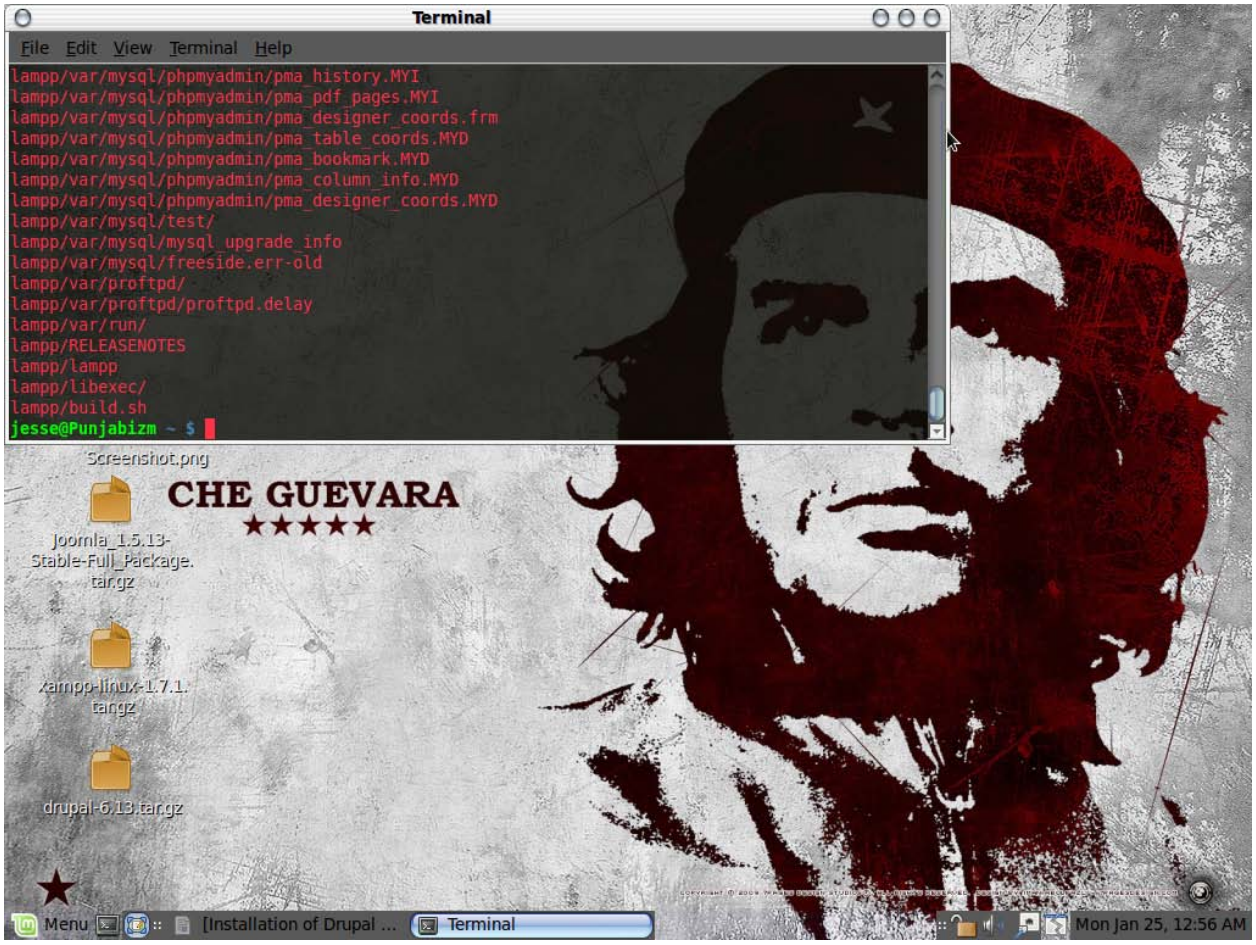
1. Open the **Terminal**, enter the following command:

jesse@Punjabizm ~ $ sudo tar -zxvf /home/jesse/Desktop/xampp-linux-1.7.1.tar.gz -C /opt/

(Please note here jesse is my user name so you must enter the name of the user on which you are currently logged in).




Press enter after giving this command now it will prompt you for your Password, give your user login password and press enter.
This command will extract all the files on Xampp into your /opt/ directory.




Now all the files have been extracted. So, we can **Start XAMPP**

1. Open the **Terminal**, enter the following command:

sudo /opt/lampp/lampp start

The following lines will appear on your Terminal, if everything is done correctly:

XAMPP: Starting Apache with SSL (and PHP5)…
XAMPP: Starting MySQL…
XAMPP: Starting ProFTPD…
XAMPP for Linux started.

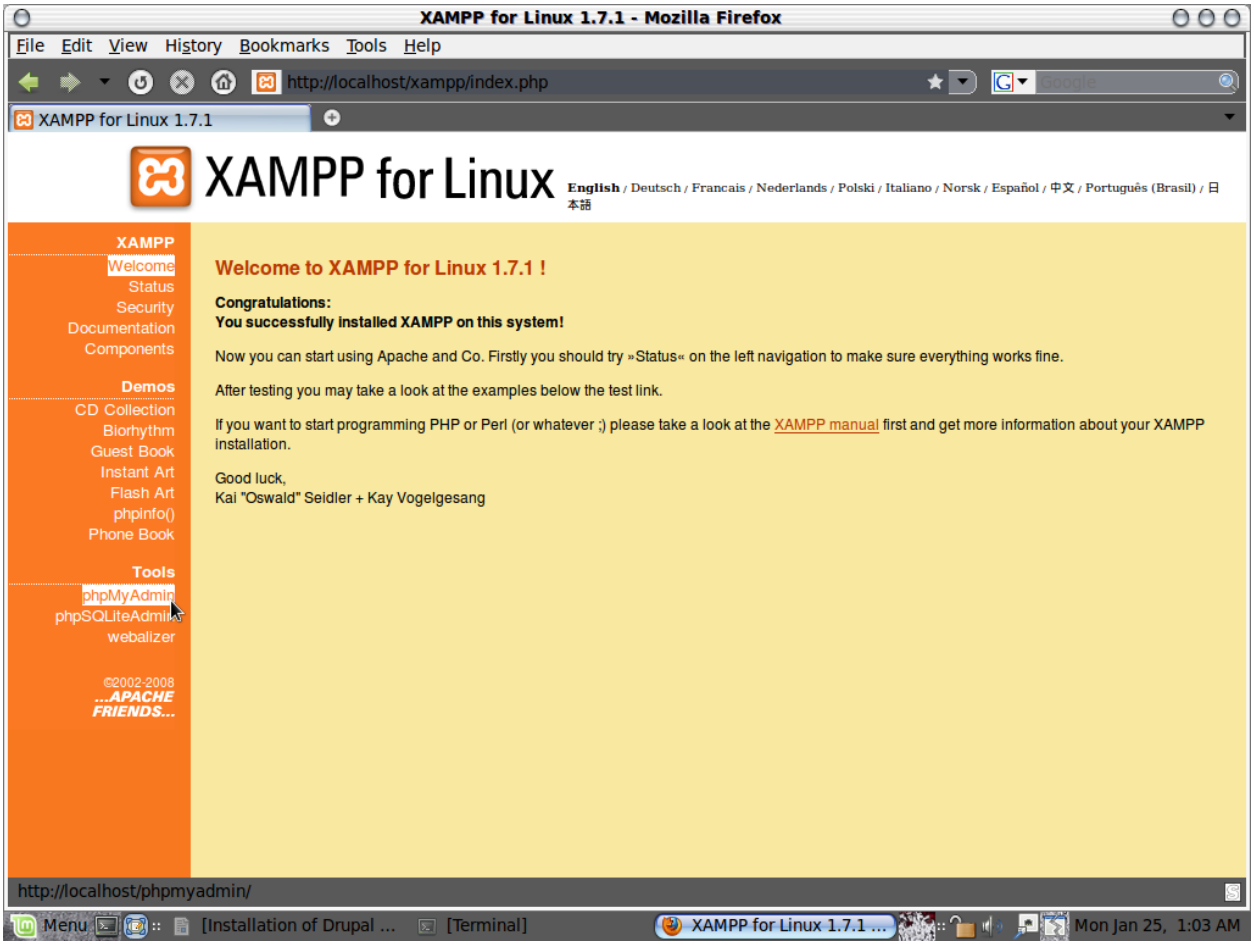



**Now Test your XAMPP installation**

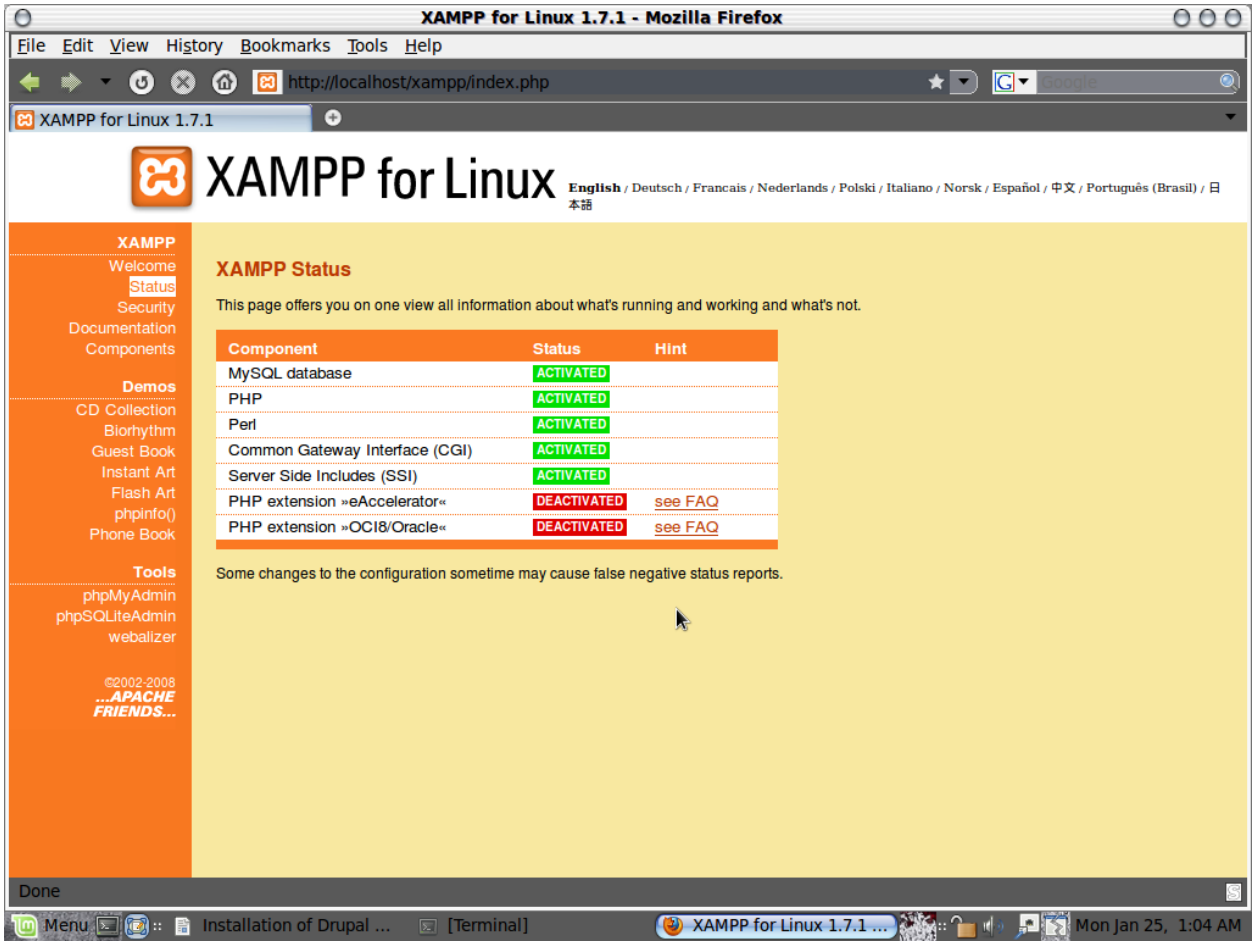
1. Open web browser.
2. Enter the following address:

http://localhost

It should show the following page:

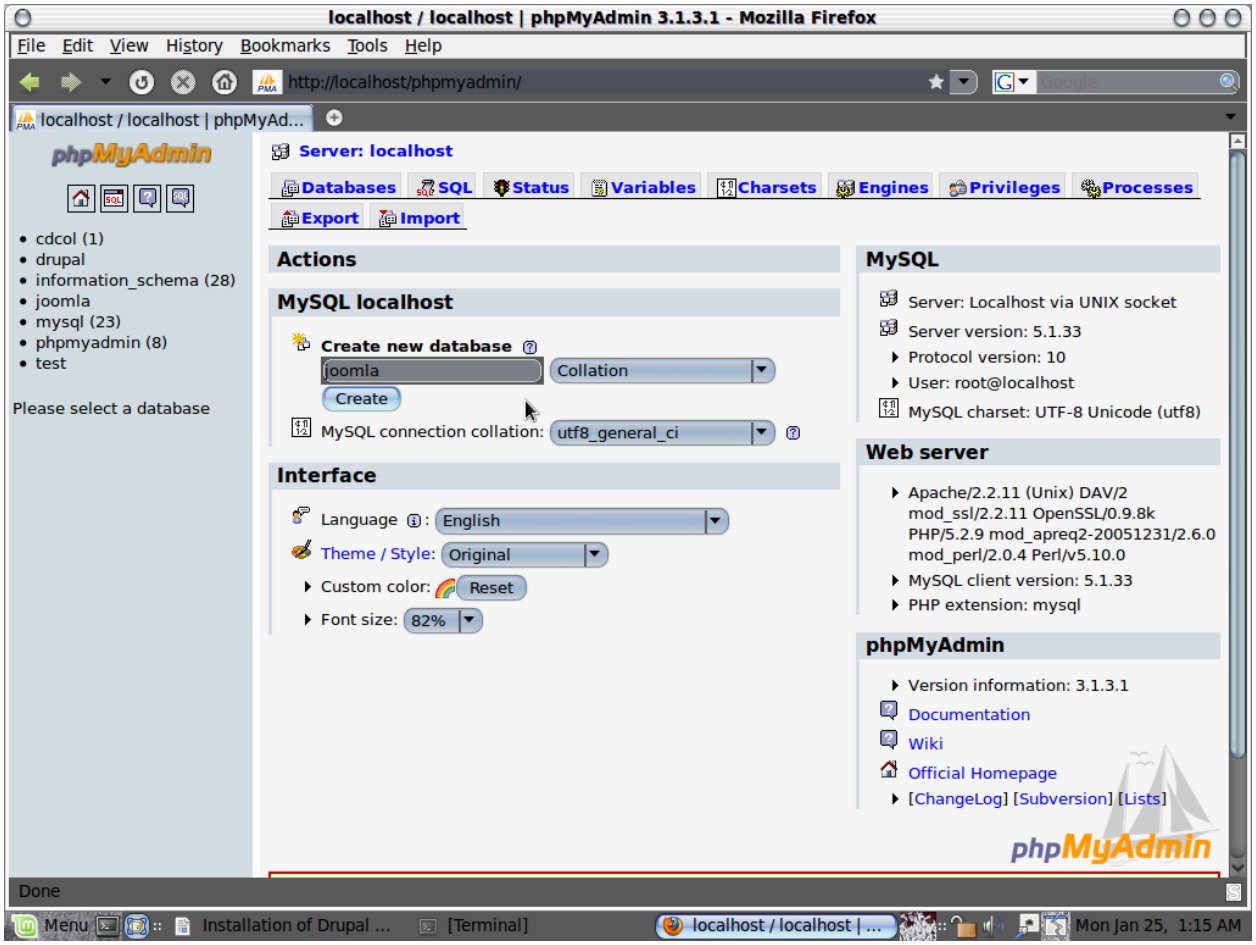



Click the Status link to see what's running:

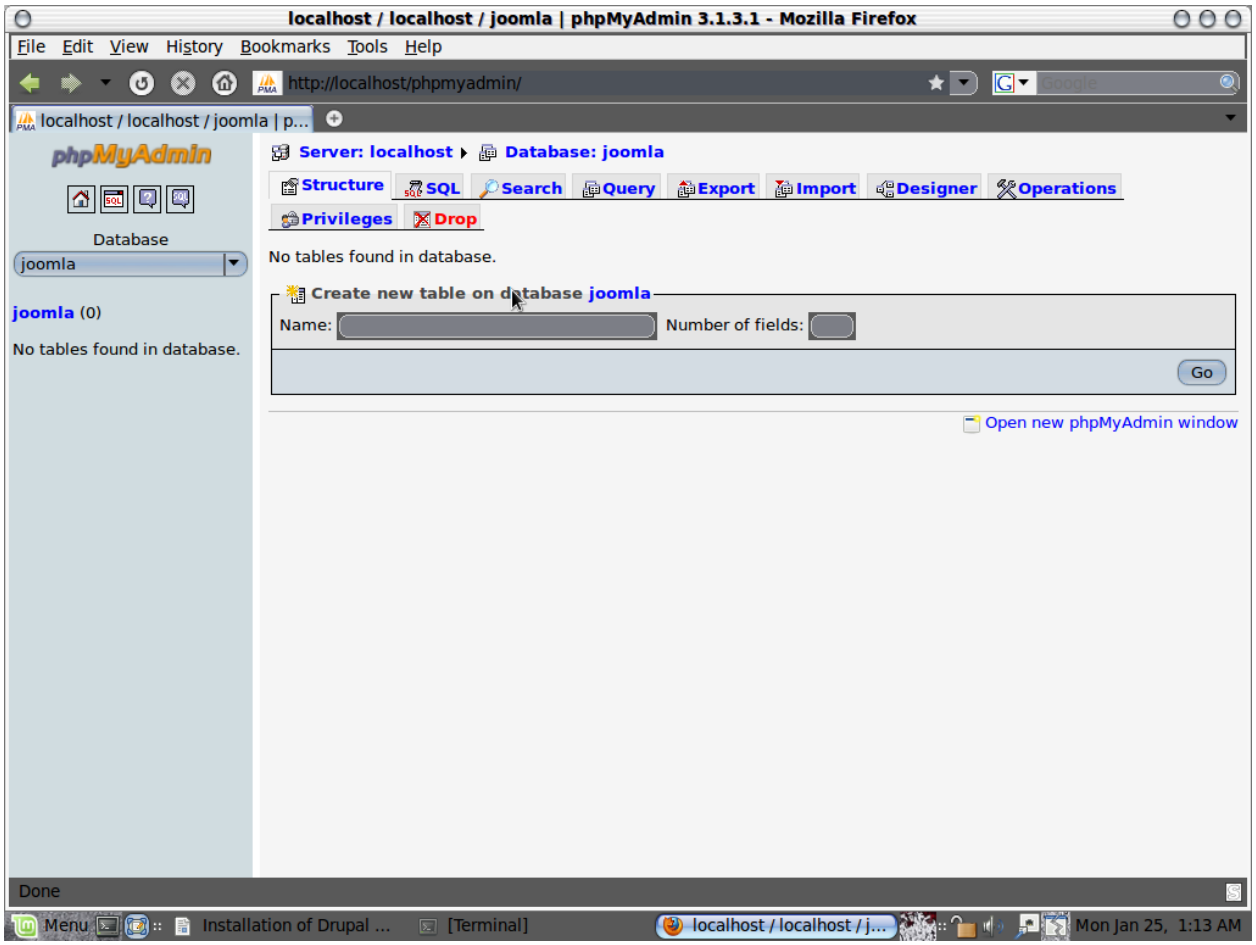



If it appears like this, then you're on the right track**.**

Now click on “phpmyadmin” which is listed under Tools. And here create a database named joomla,




The following screen will appear,



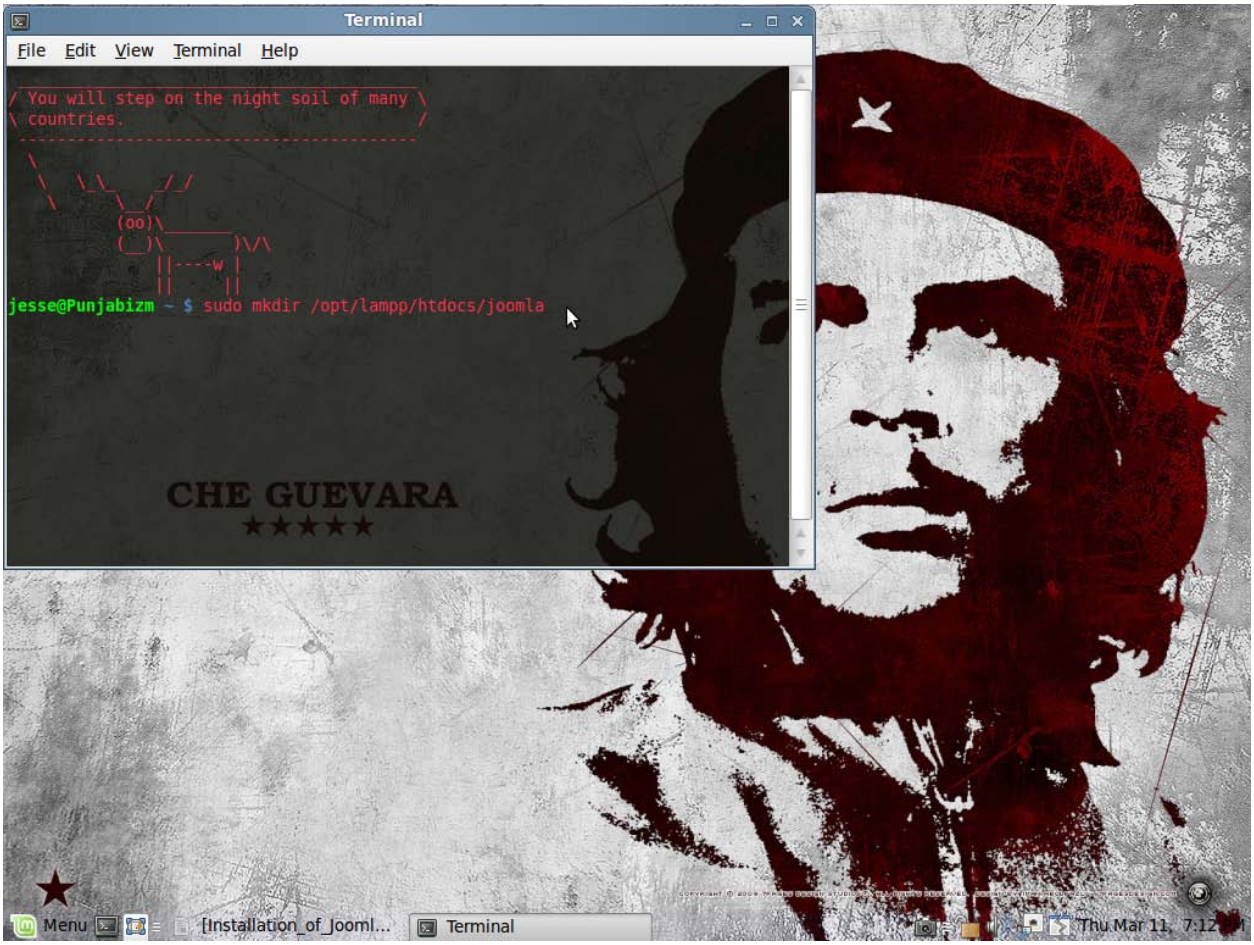

Don’t mess with anything else, just click home and come back on the previous screen.

Now in the same way, create another database named drupal.

Your XAMPP Installation part is done.
Now you can install Joomla on your PC.

First of all create a folder named “joomla” in /opt/lampp/htdocs/ directory; you can get it done by giving the following command in the terminal window.

```
sudo mkdir /opt/lampp/htdocs/joomla
```




Provide the password if it asks!

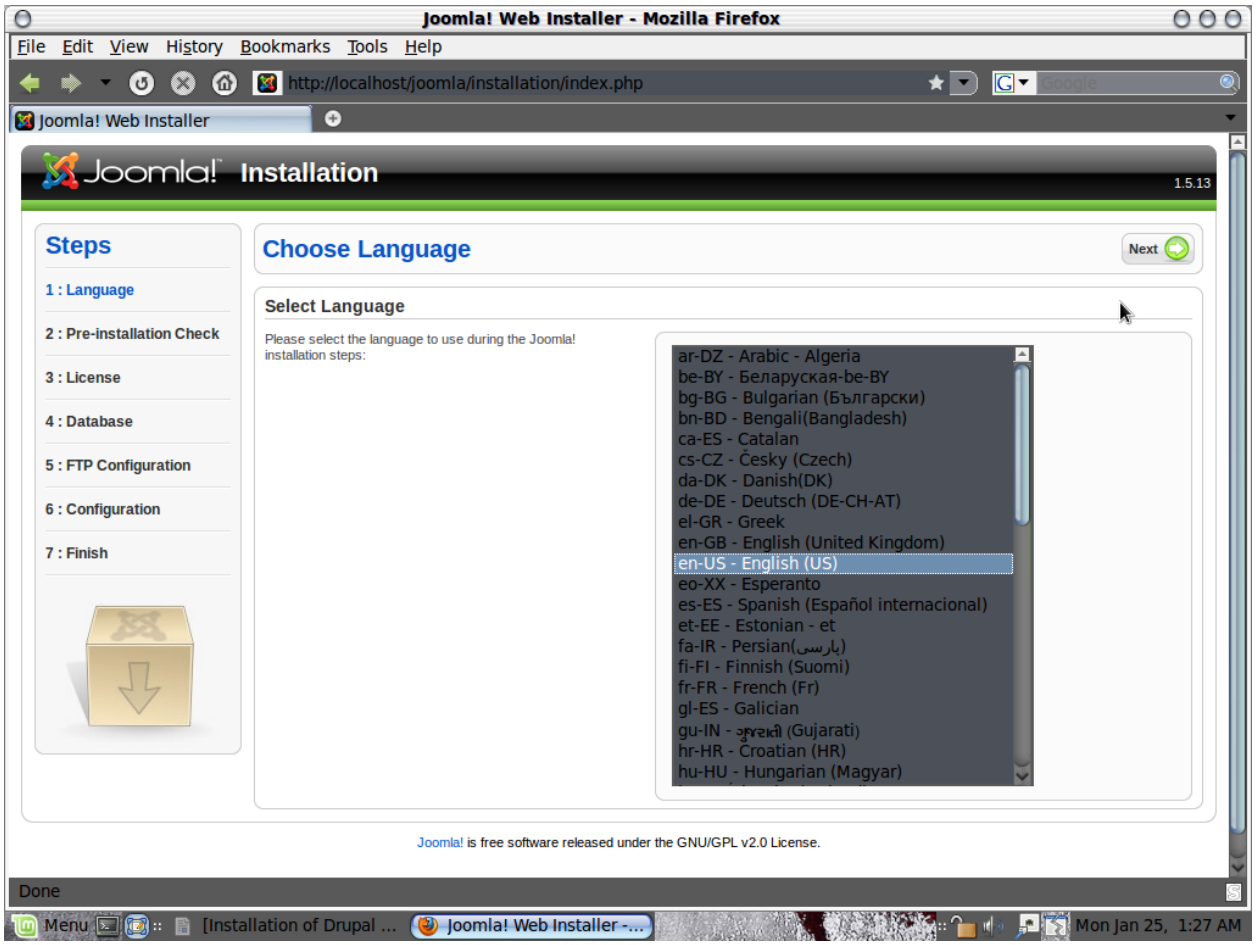
Joomla directory is made, now on the screen of the terminal give the following command.

sudo tar -zxvf /home/jesse/Desktop/Joomla_1.5.13-Stable-Full_Package.tar.gz -C /opt/lampp/htdocs/joomla/

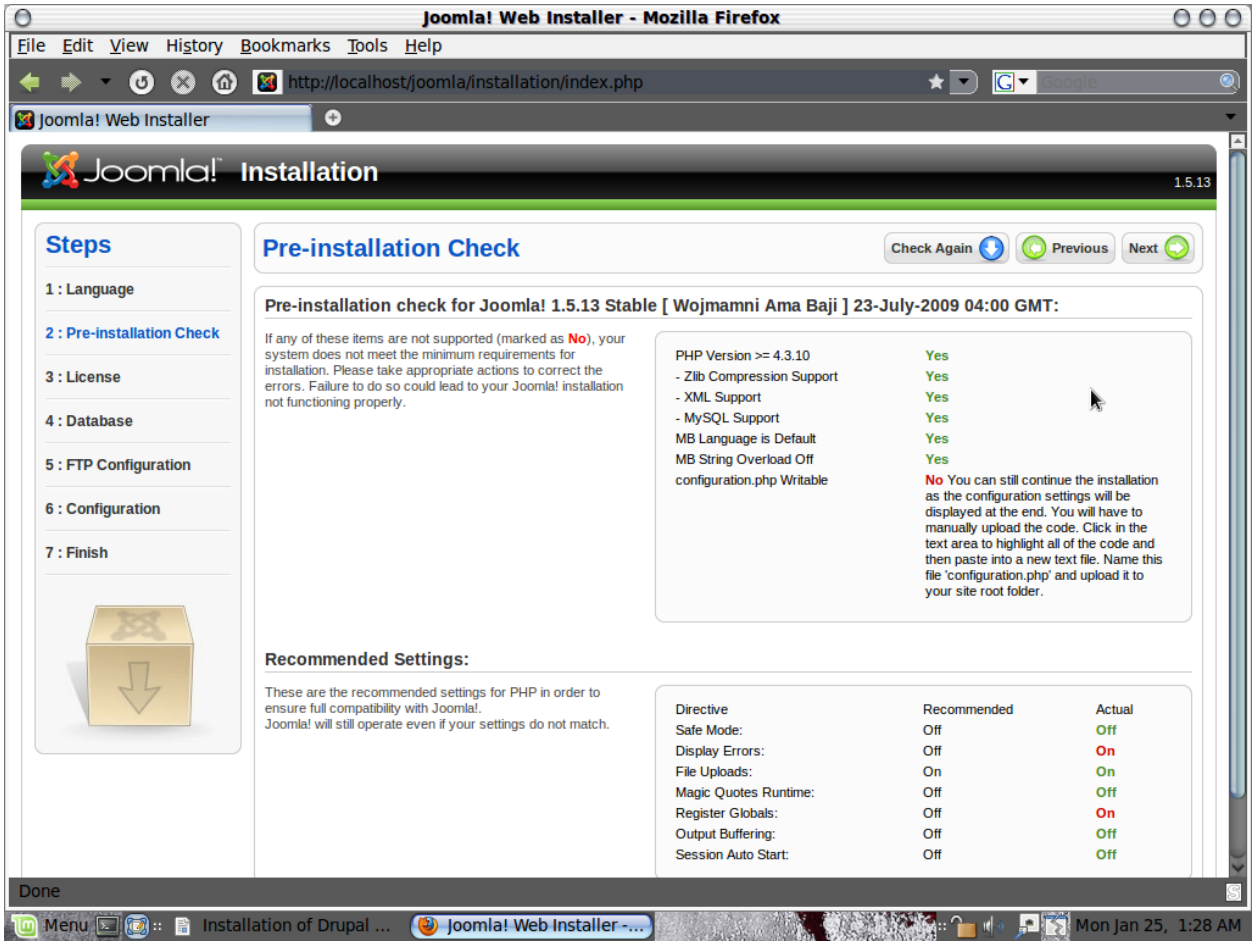
This will extract all the files of joomla into htdocs/joomla.



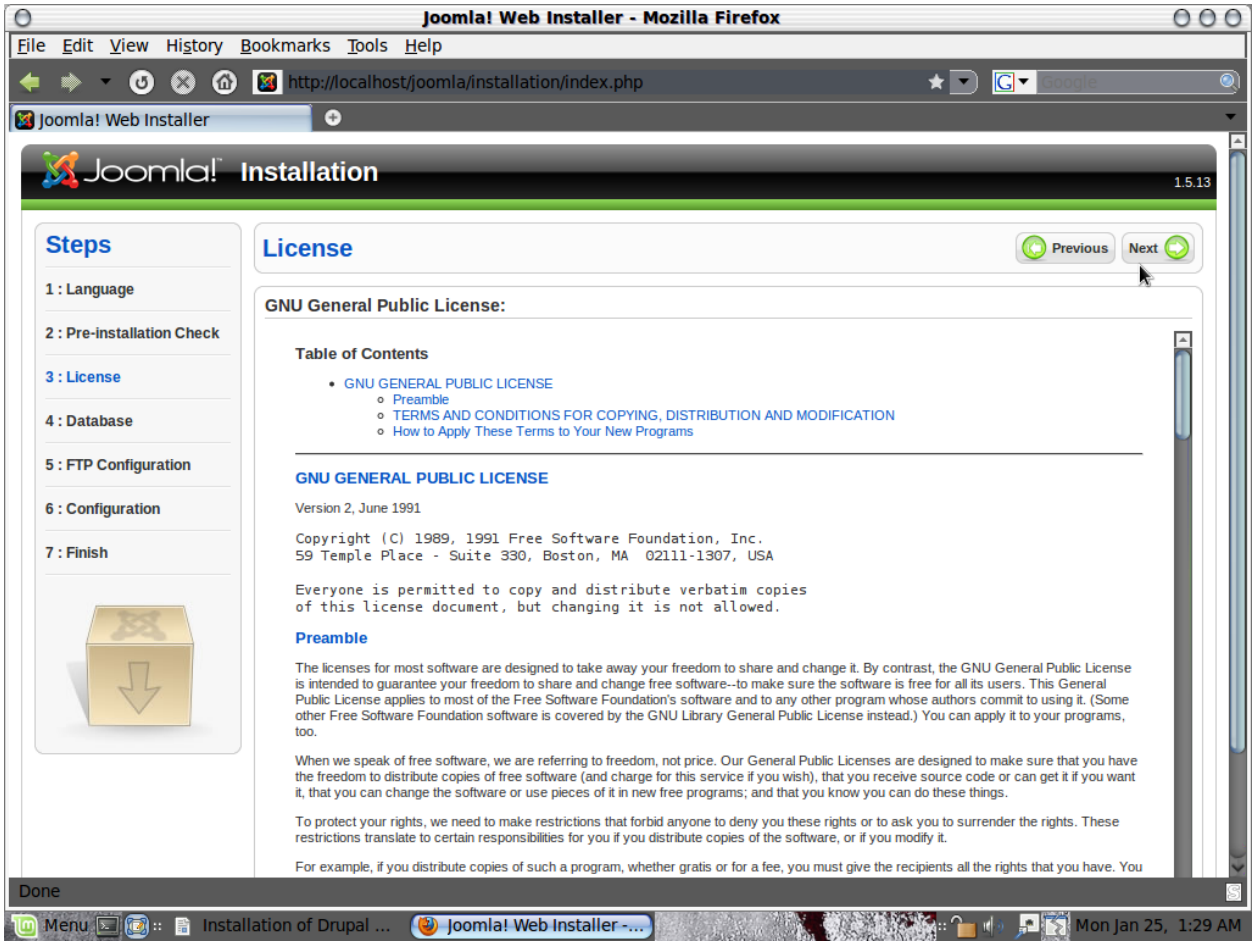

After finishing it open your web browser and type http://localhost/joomla
It will show the following screen.



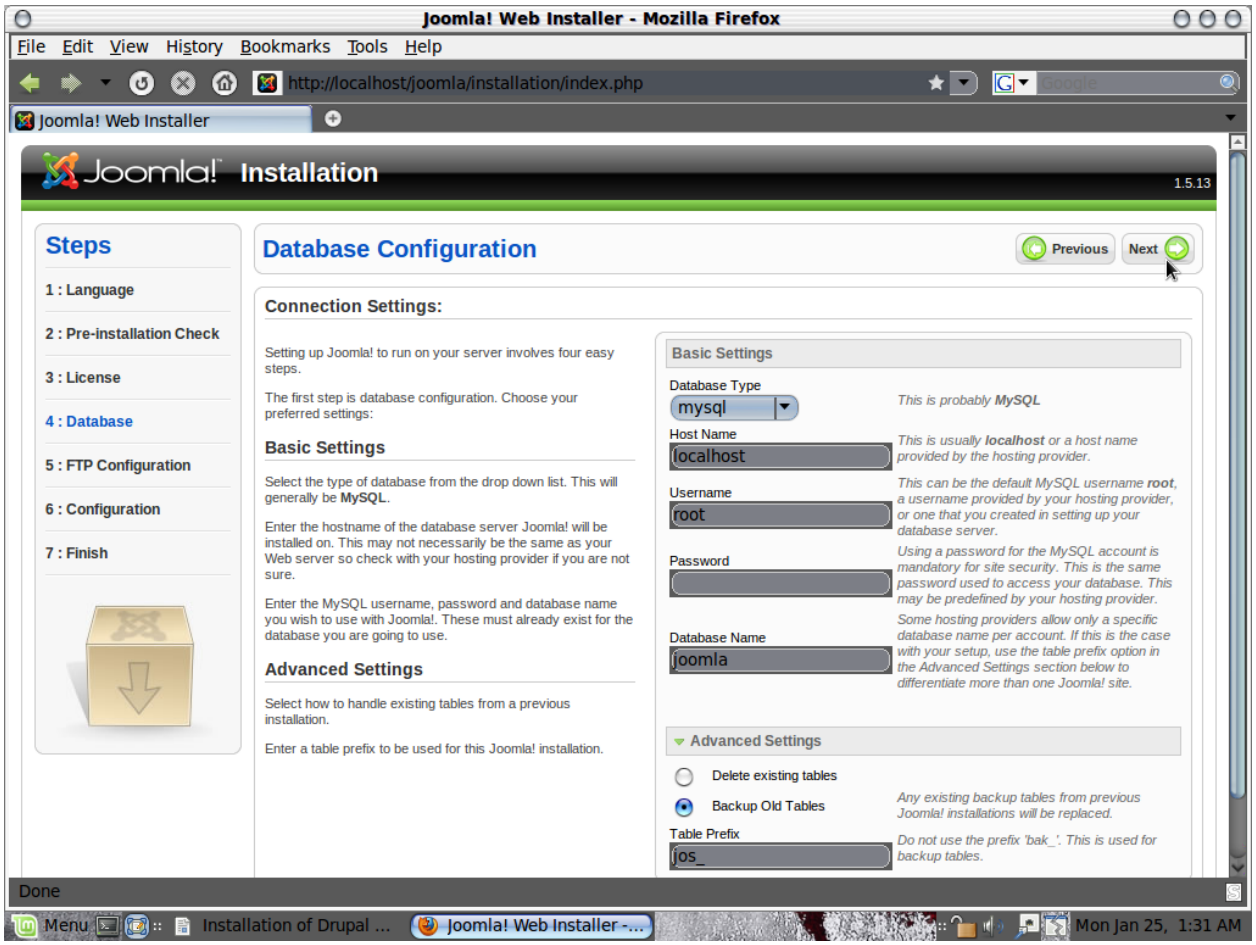

Here select English and click Next.



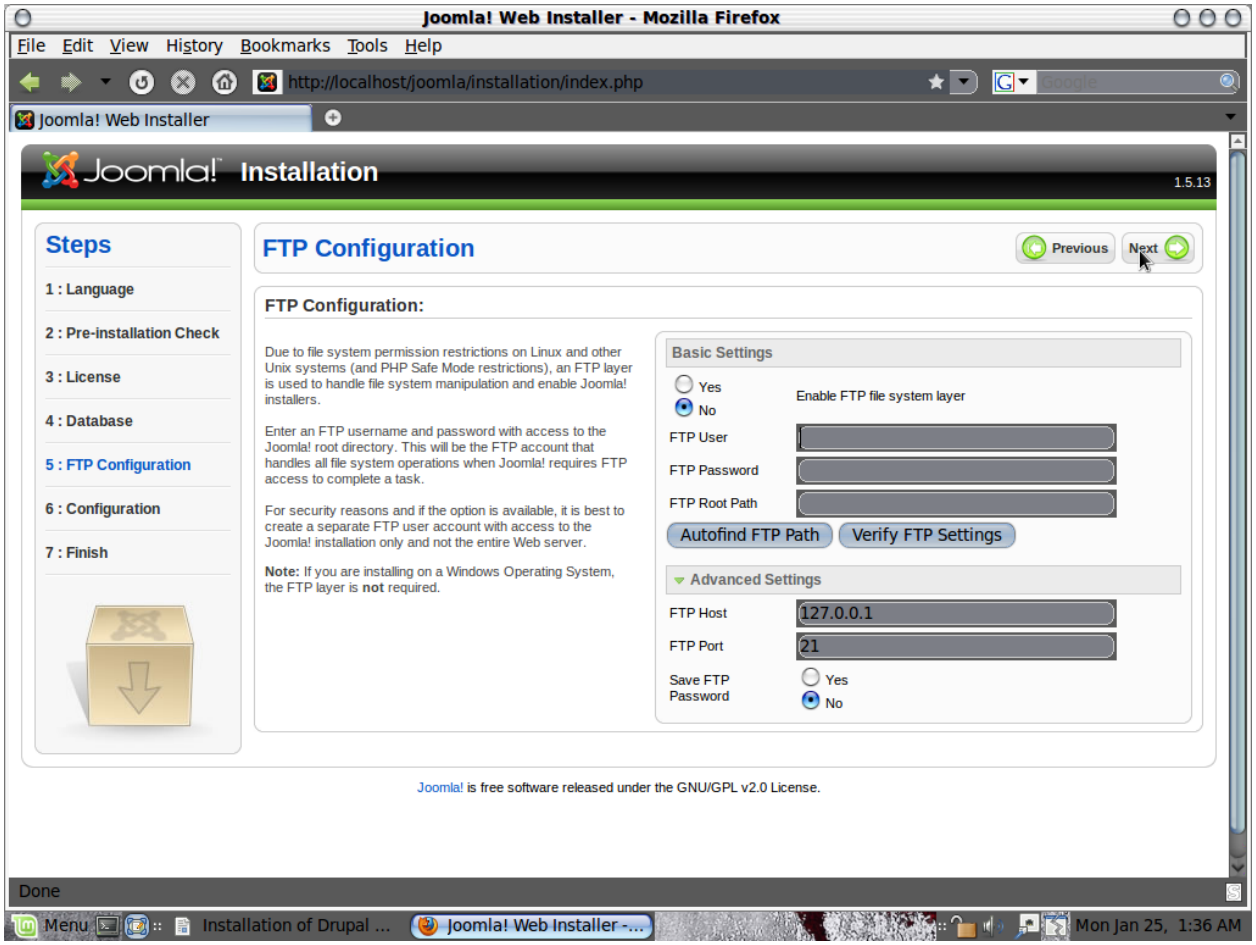

Click next on this screen also.



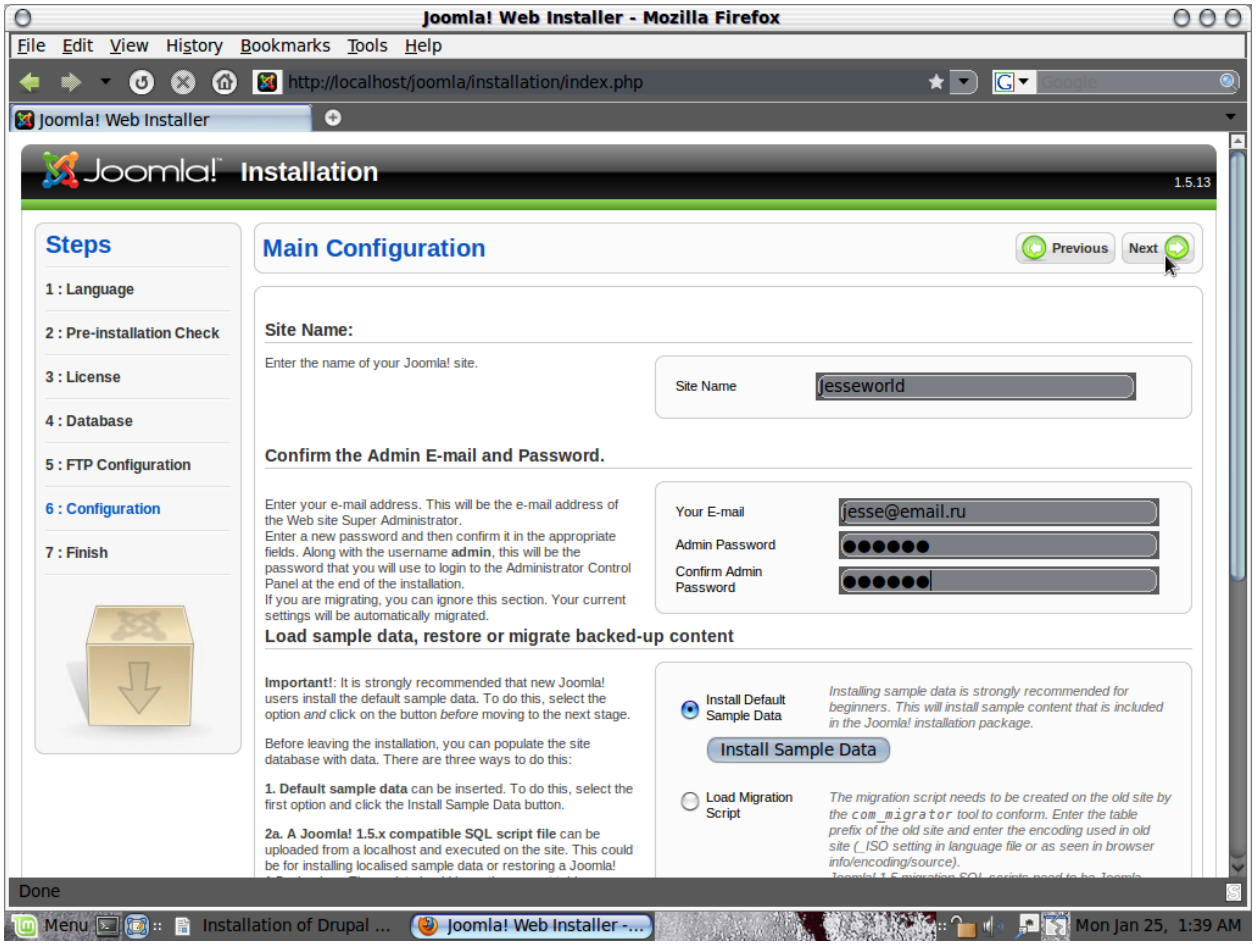

Click next on GNU GPL screen.




This is the main window, select database type “mysql”
fill the Host Name “locahost”
Fill in the user name “root”
Leave the password blank (as you have'nt given any password when you made database joomla in XAMPP.)
Fill up the Database name joomla.
Leave the remaining settings as they are and click next.



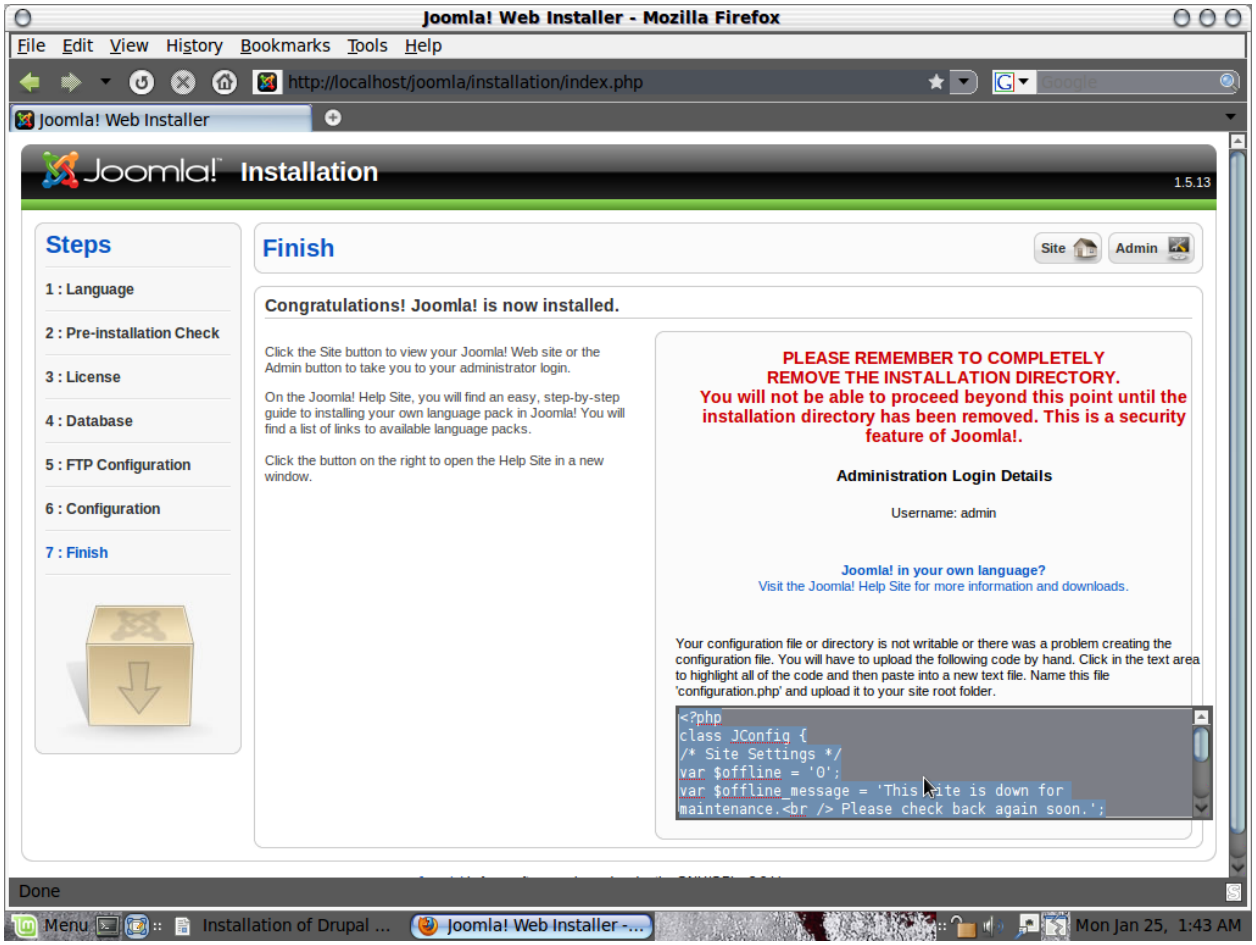

Provide FTP settings on this screen, if you want to setup any FTP on your localhost. (Leave it untouched for now) click next.




Fill in your Desired Site name here,

In the next section provide your Email address.

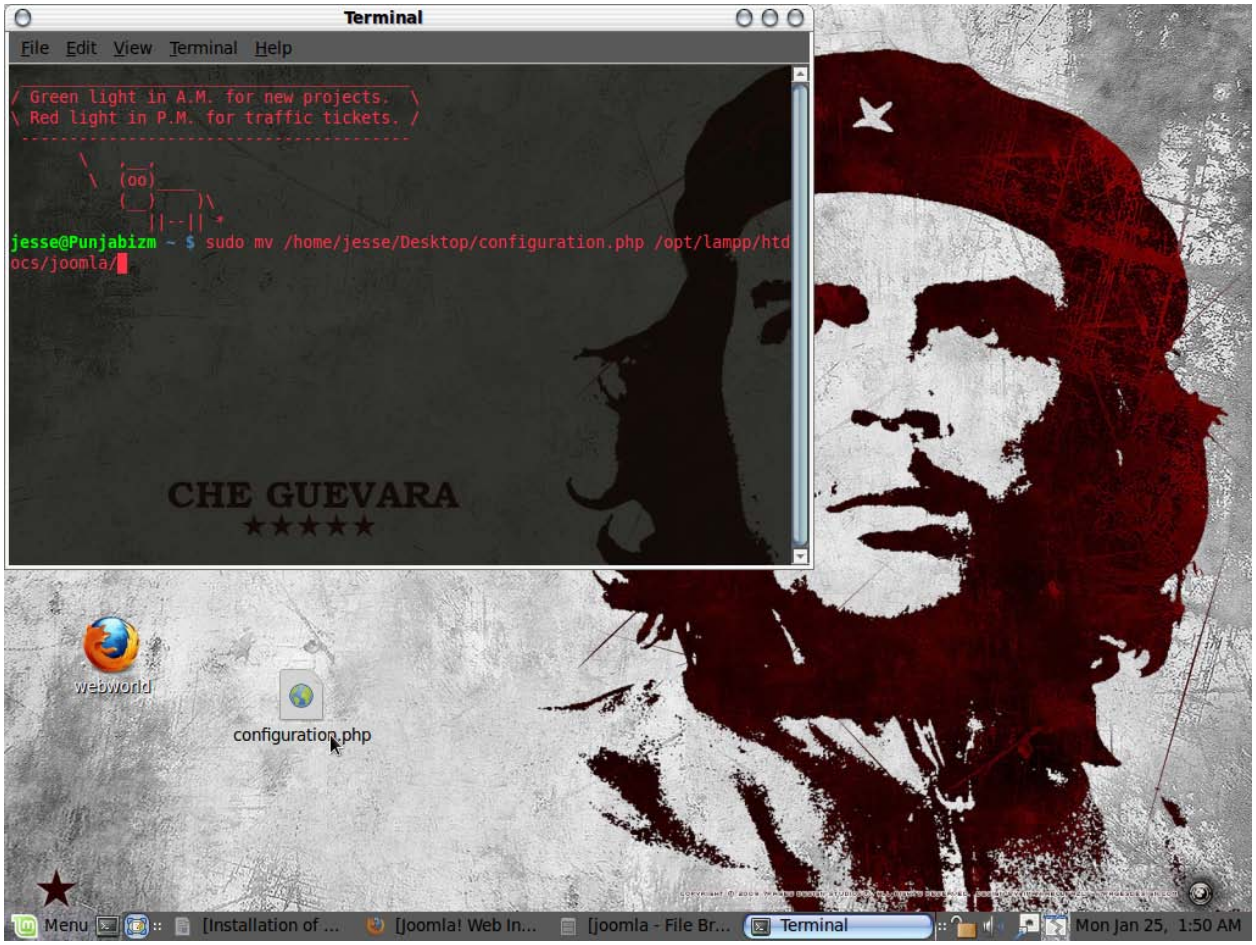
And then provide any password. (You will require this email and password at time you will login as the administrator page of your site)




Read all the instruction on this screen and copy the text from the text area and open text editor, paste the text in the text editor and save this file on desktop, name it “configuration.php”.

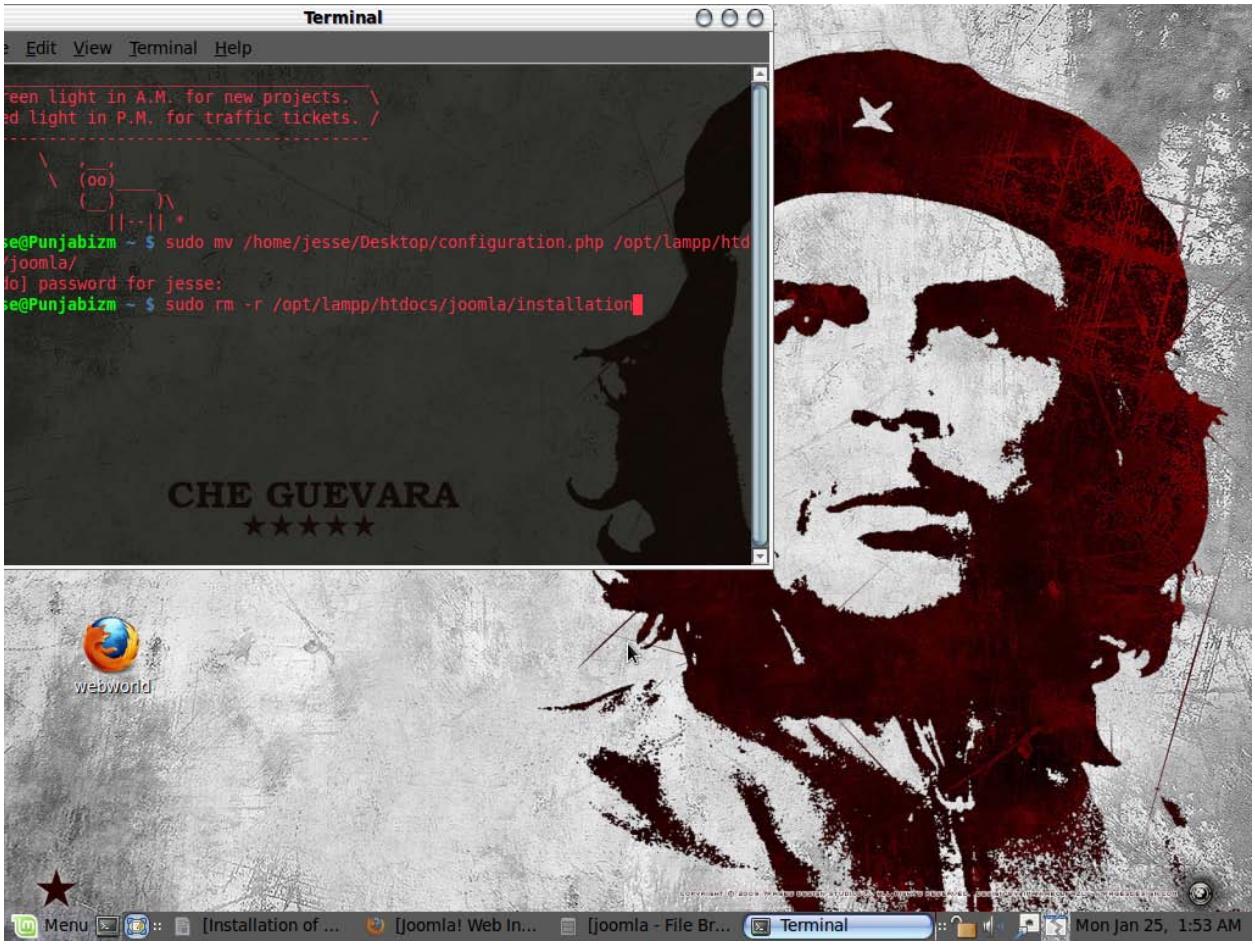
Now open terminal window and type following command to move this file from Desktop to /opt/lampp/htdocs/joomla/

jesse@Punjabizm ~ $ sudo mv /home/jesse/Desktop/configuration.php /opt/lampp/htdocs/joomla/

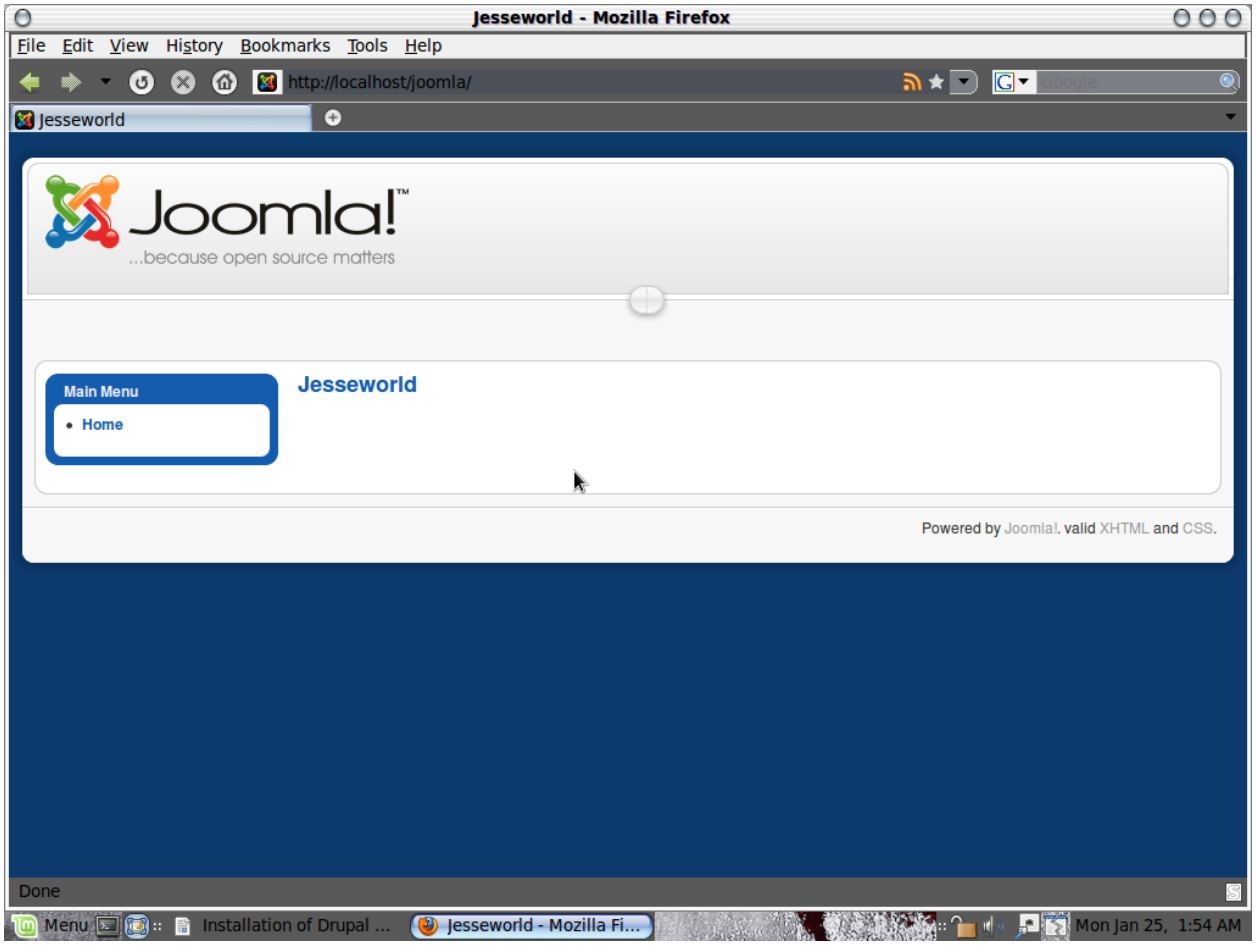



Now remove the installation directory from your site root folder by giving this command on the terminal window.

jesse@Punjabizm ~ $ sudo rm -r /opt/lampp/htdocs/joomla/installation




Now again open your web browser and type [http://localhost/joomla](http://localhost/joomla)



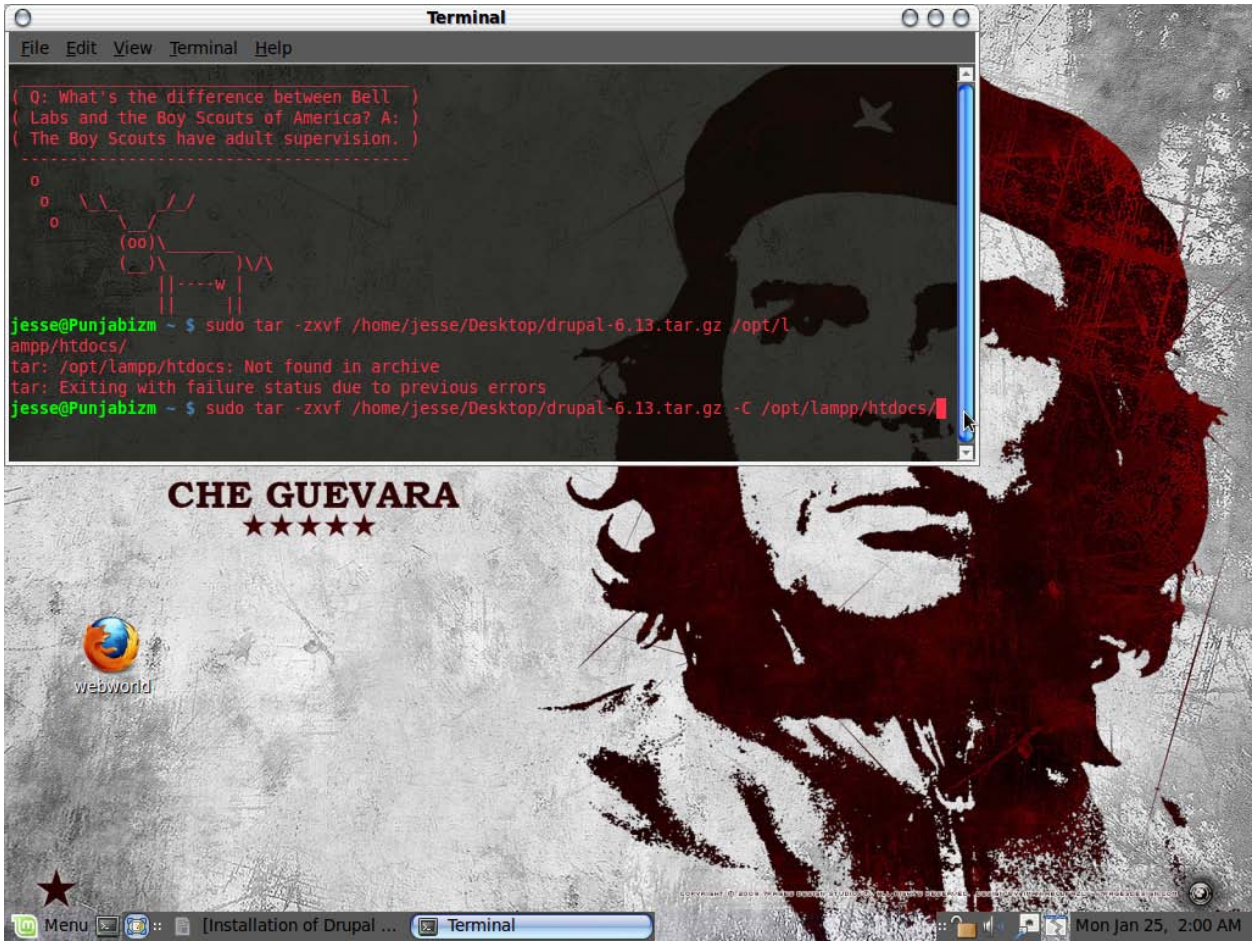

***IT'S Done..!!***

Now let's install Drupal by extracting its content to “opt/lampp/htdocs”:
you know that your tar.gz file of drupal is on your desktop screen to extract it,

1. Open the Terminal, enter the following command:

sudo tar -zxvf /home/jesse/Desktop/drupal-6.13.tar.gz -C /opt/lampp/htdocs/

(Please note here jesse is my user name, you must give here your user name on which you are logged in)

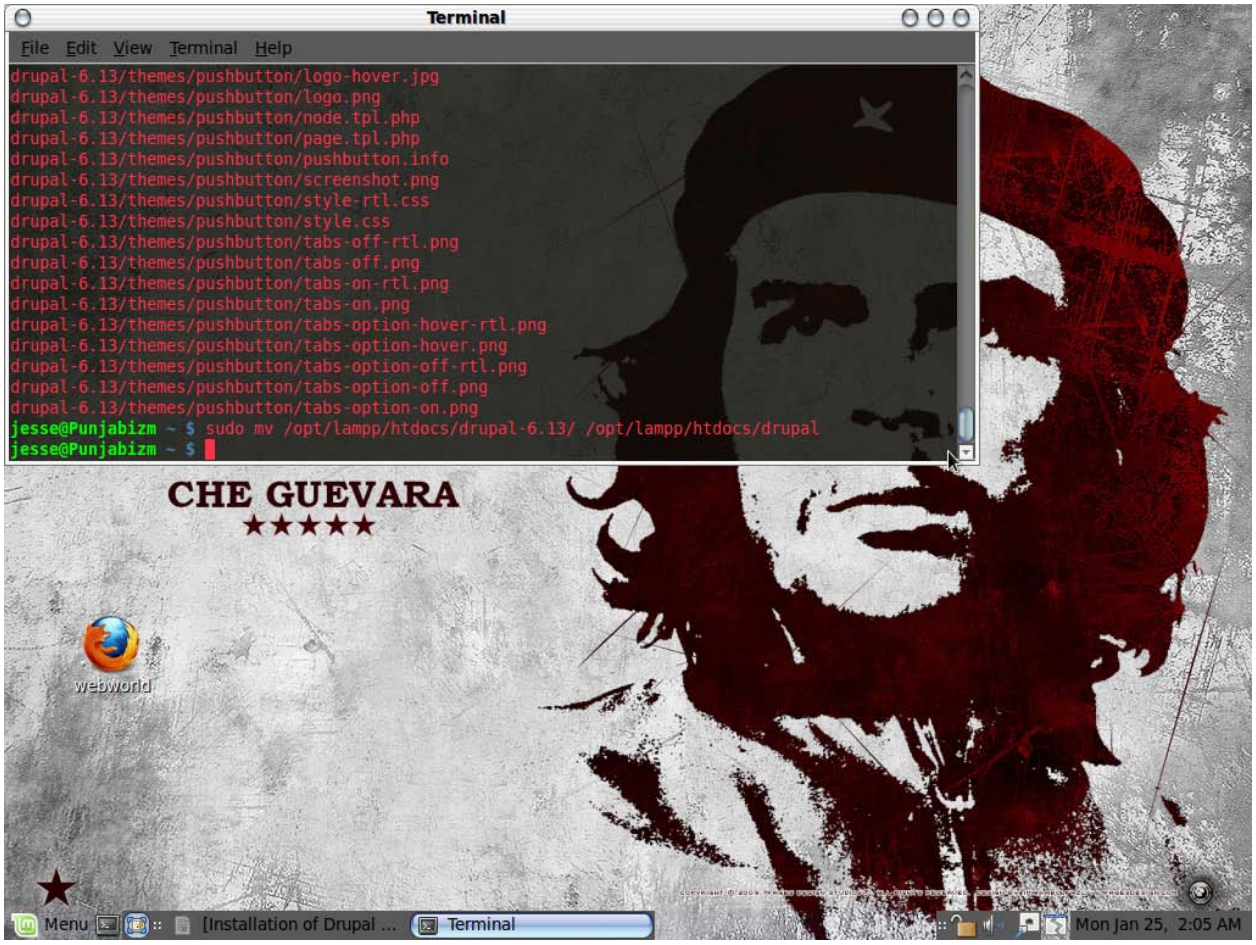



It will create a folder of drupal in your /opt/lampp/htdocs/ directory. But we'll need to rename this folder to drupal only.

1. Enter the following command:

jesse@Punjabizm ~ $ sudo mv /opt/lampp/htdocs/drupal-6.13/ /opt/lampp/htdocs/drupal

(drupal-6.13 is the file version which I've used, you must type the name of the drupal version you have downloaded)




Okay. ! **You made it..!!**

Now

Let’s

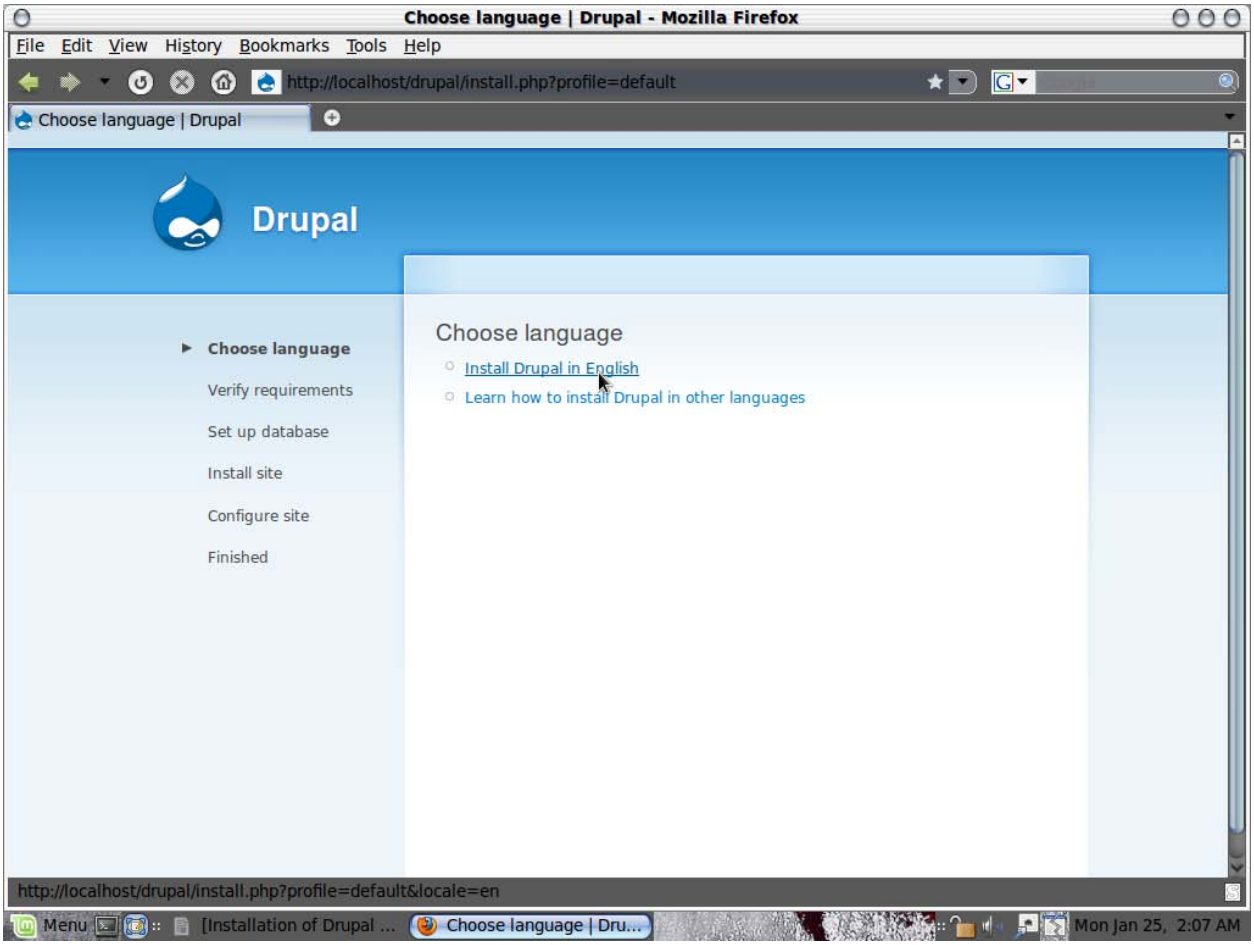
Try

**Drupal**

1. Open your web browser.
2. Enter the following address:

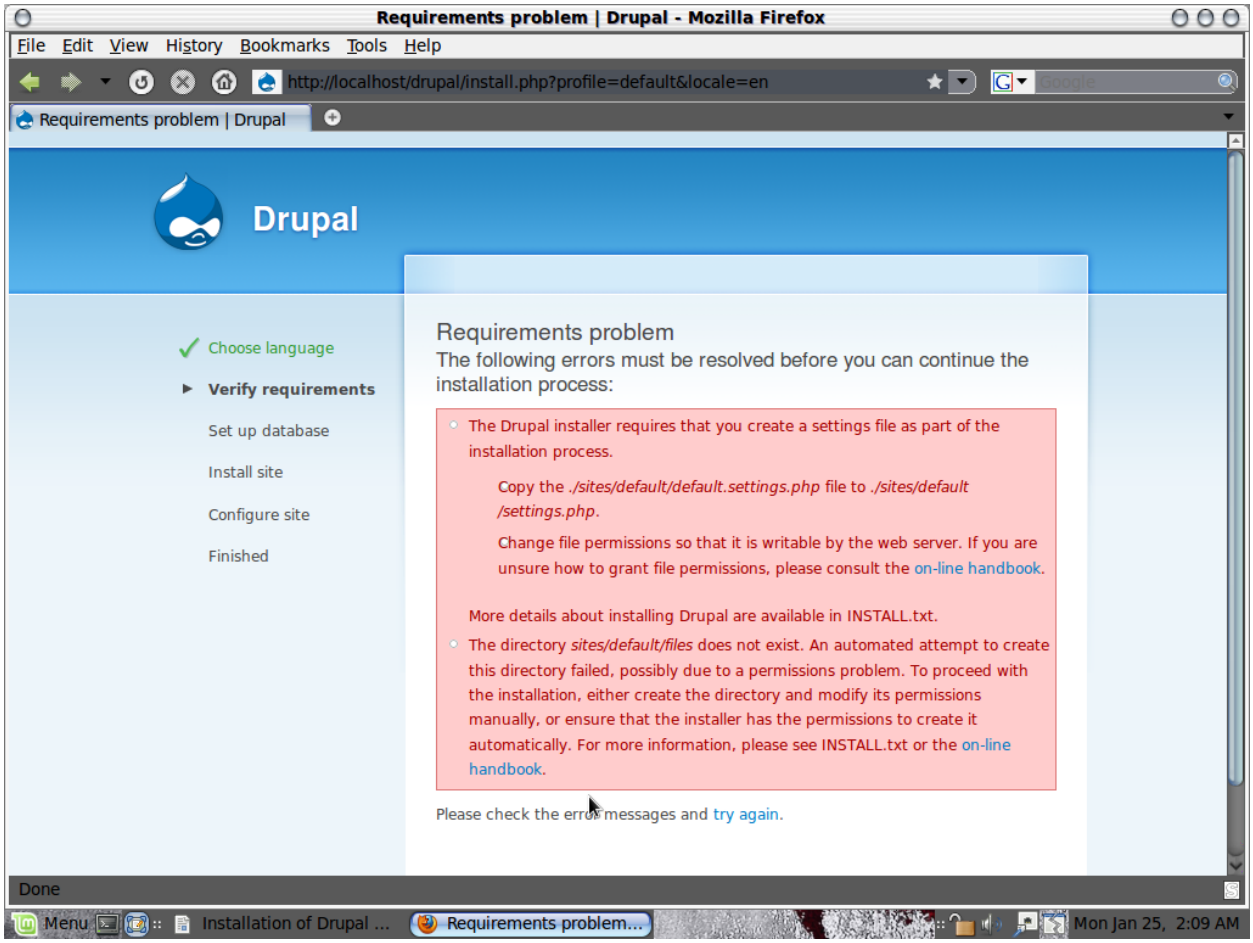
http://localhost/drupal

You should see this page:




Select install Drupal in English

Next it will show a red screen with some warning's and all other stuff.




Don't Panic.

Just open terminal window and type following command

```
jesse@Punjabizm ~ $ sudo cp /opt/lampp/htdocs/drupal/sites/default/default.settings.php
/opt/lampp/htdocs/drupal/sites/default/settings.php
```

This will make a copy of the file ”default.settings.php”and rename it to “settings.php”.

Next, we need to grant permissions to the settings.php file so that it’s writeable:

1. Enter the following commands one by one  (press Enter after each command):

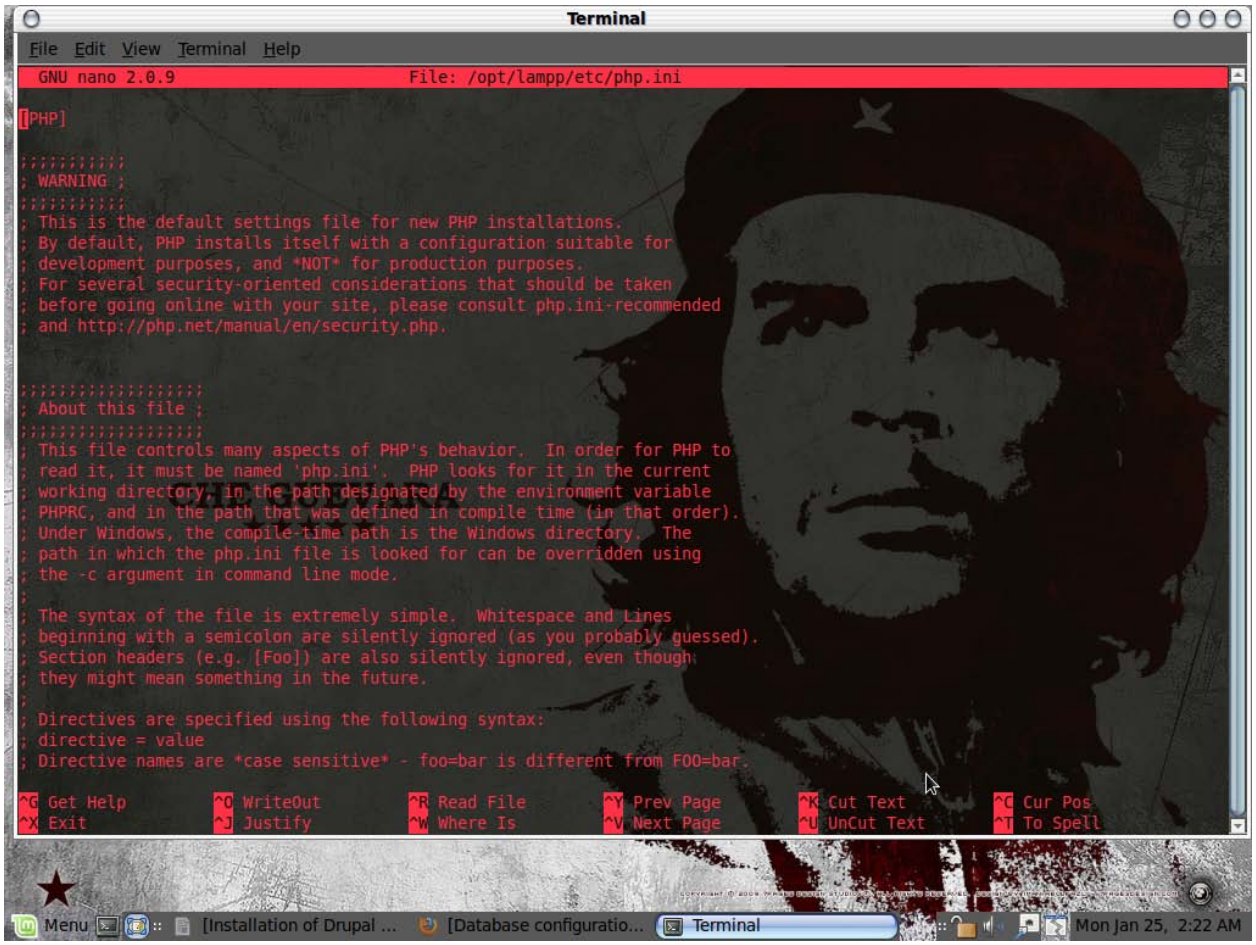
```
jesse@Punjabizm ~ $ sudo chmod a+w /opt/lampp/htdocs/drupal/sites/default/settings.php
jesse@Punjabizm ~ $ sudo chmod a+w /opt/lampp/htdocs/drupal/sites/default
```

Now we need to increase our PHP memory limit from 8M to 16M.

1. Open the Terminal window and type:

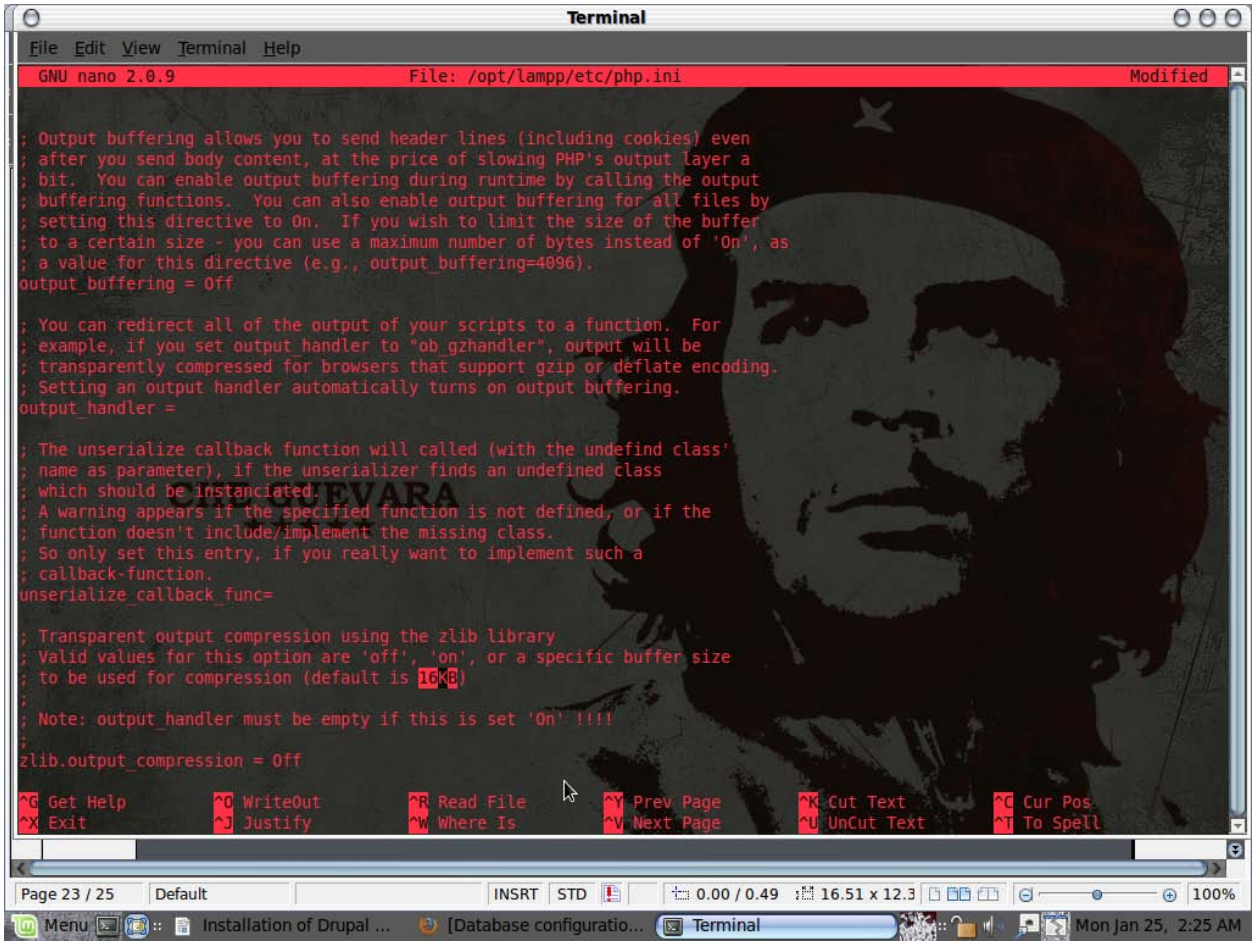
sudo nano /opt/lampp/etc/php.ini” and press enter

The following screen will appear.




Now there you’ll need to change the buffer size to 16 KB

The location of the text is given in the screen shot below,

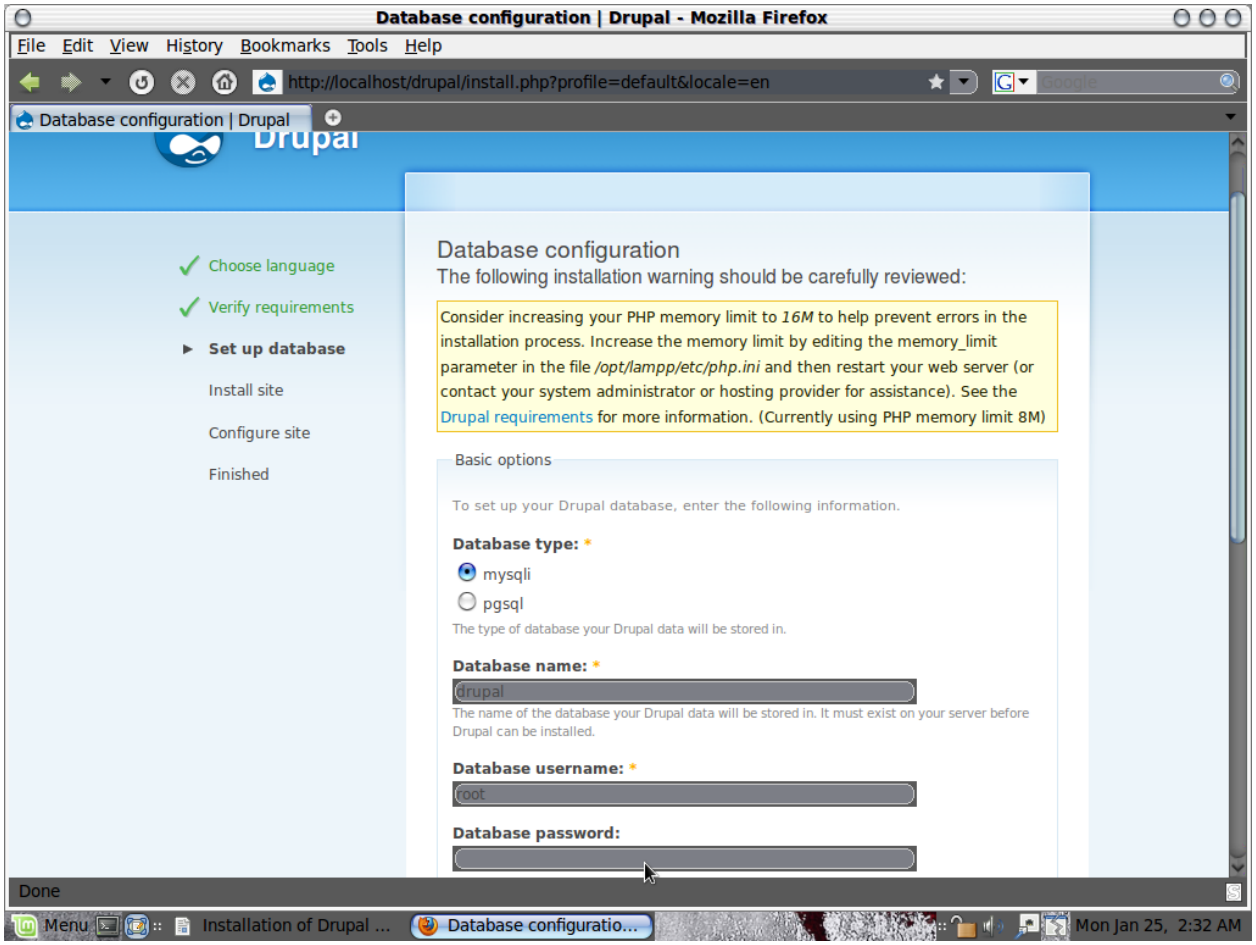



After changing it exit from this window by pressing Cltr+X

The following option will appear on the screen.

“Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ? “
Press “Y” and press enter, again press enter on the next screen. Its done. You can close the terminal window now.

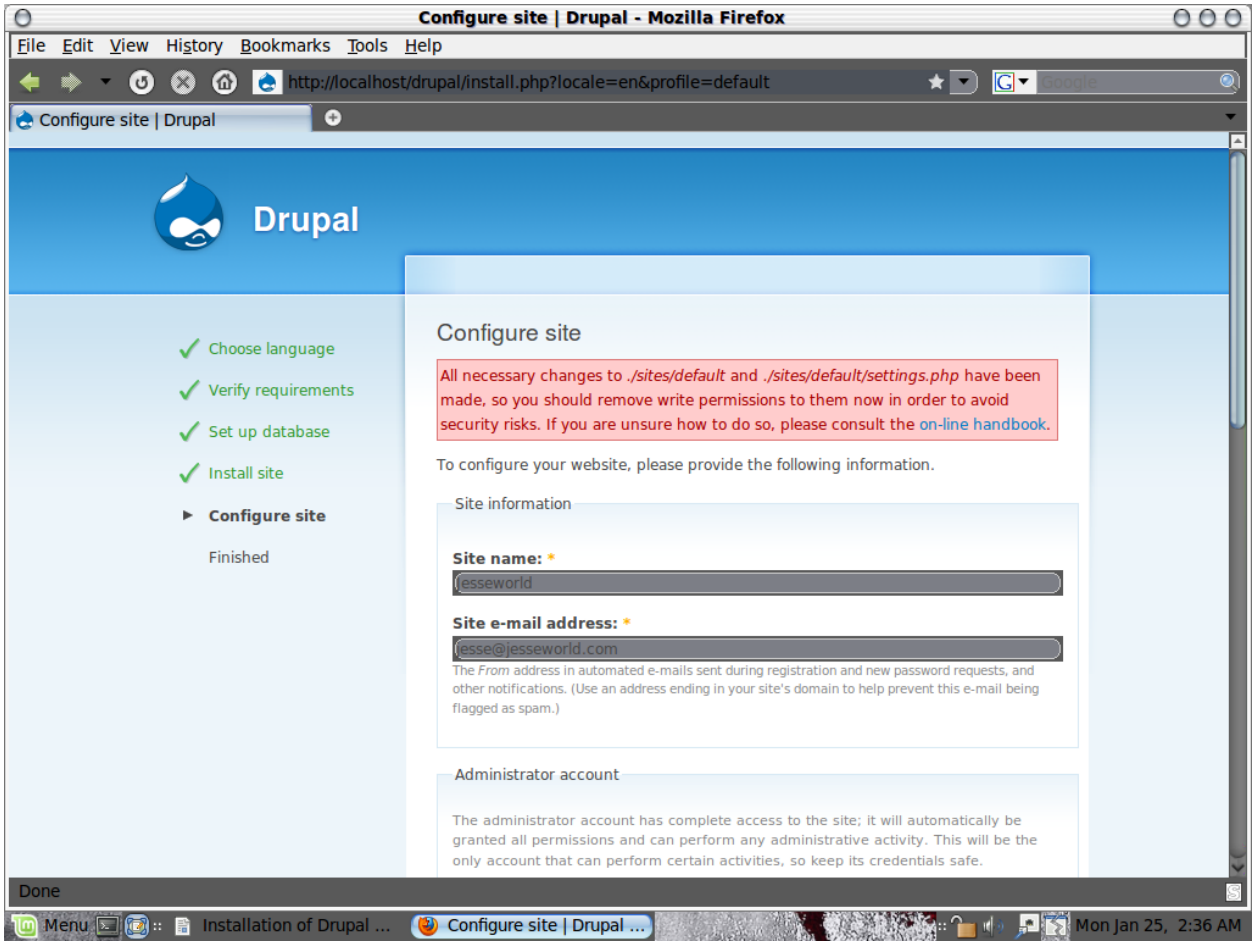
Refresh your browser window now by pressing “F5”.
It will show the screen where you have to connect Drupal to the database.

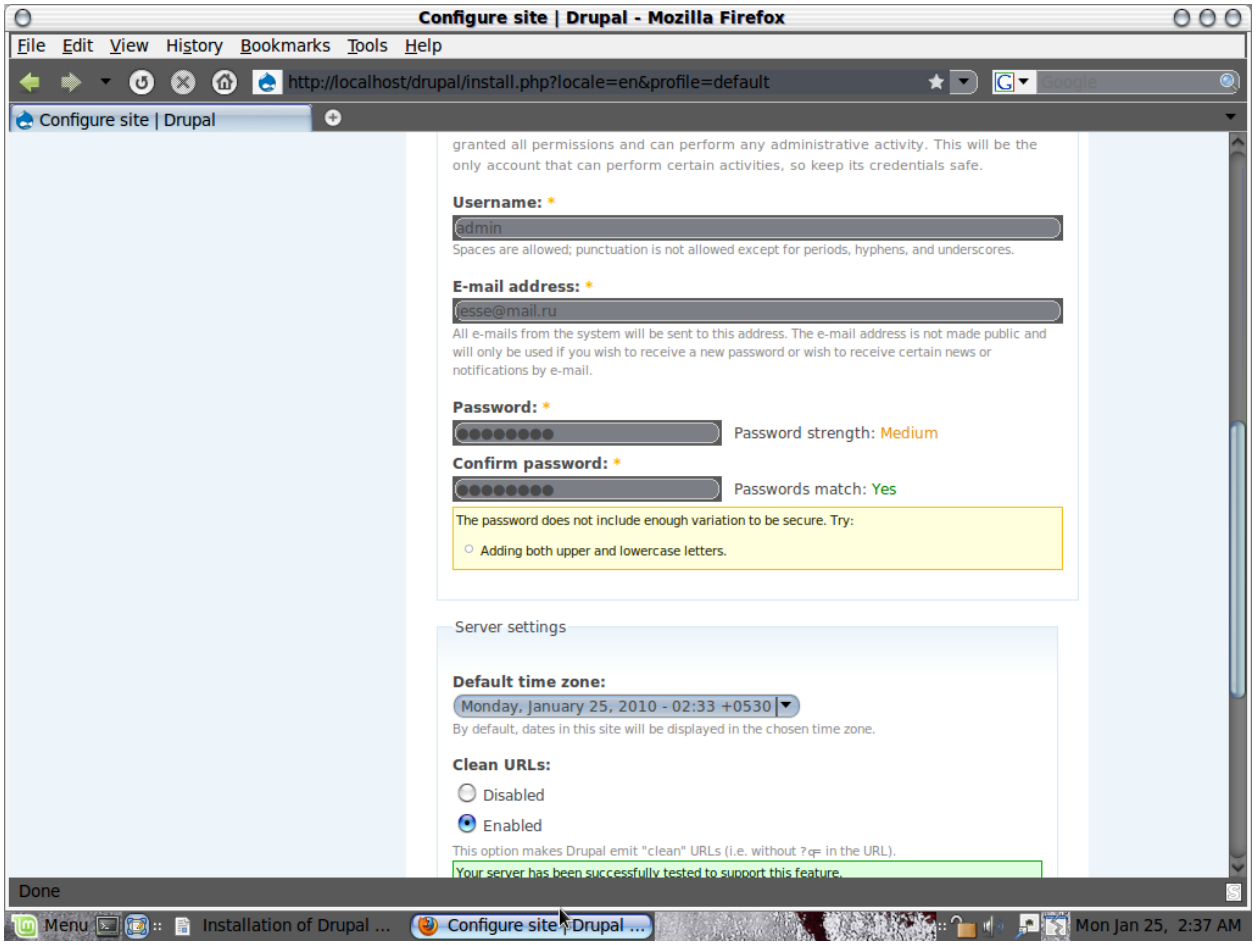



Fill up the database name “drupal”
Fill up the database user name “root”
Leave the password blank.

Click Save and continue

Then, in the next step fill up the site information


Configure site | Drupal - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/drupal/install.php?locale=en&profile=default
Configure site | Drupal
Drupal
Choose language
Verify requirements
Set up database
Install site
Configure site
Finished
Configure site
All necessary changes to ./sites/default and ./sites/default/settings.php have been made, so you should remove write permissions to them now in order to avoid security risks. If you are unsure how to do so, please consult the on-line handbook.
To configure your website, please provide the following information.
Site information
Site name: *
jesseworld
Site e-mail address: *
jesse@jesseworld.com
The From address in automated e-mails sent during registration and new password requests, and other notifications. (Use an address ending in your site's domain to help prevent this e-mail being flagged as spam.)
Administrator account
The administrator account has complete access to the site; it will automatically be granted all permissions and can perform any administrative activity. This will be the only account that can perform certain activities, so keep its credentials safe.
Done
Menu
Installation of Drupal ...
Configure site | Drupal ...
Mon Jan 25, 2:36 AM




Click save and continue

If any dialogue like "***Fatal error**: Allowed memory size of 8388608 bytes exhausted (tried to allocate 453 bytes) in **/opt/lampp/htdocs/drupal/includes/database.mysql-common.inc** on line **35***" appears don't be angry, we still have one "**brahma Astra**" again time to use it ….!!

Open the Terminal, and restart the XAMPP by giving following commands one by one.

```
jesse@Punjabizm ~ $ sudo /opt/lampp/lampp stop
jesse@Punjabizm ~ $ sudo /opt/lampp/lampp start
```



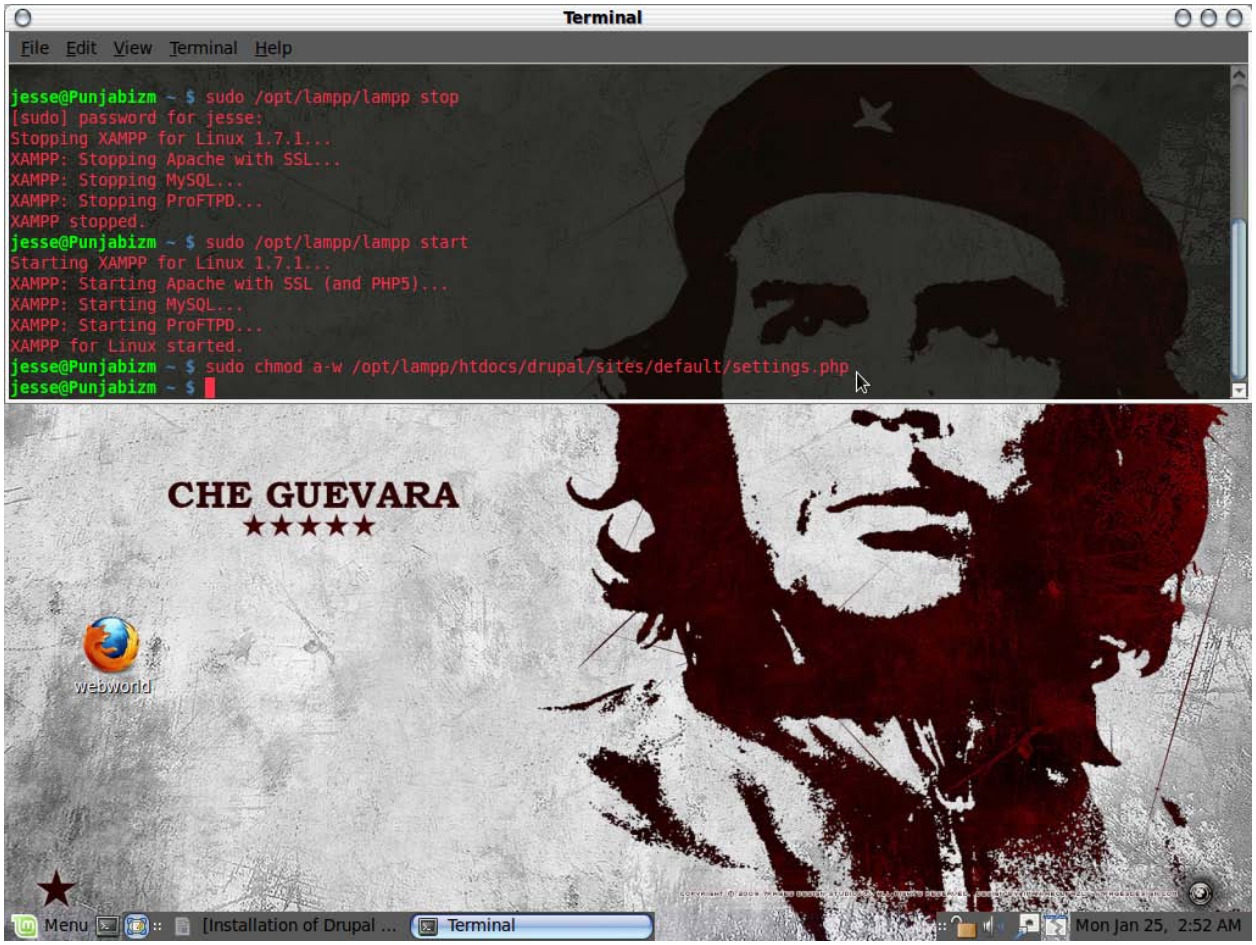

Okay, now target achieved.

Refresh your browser page

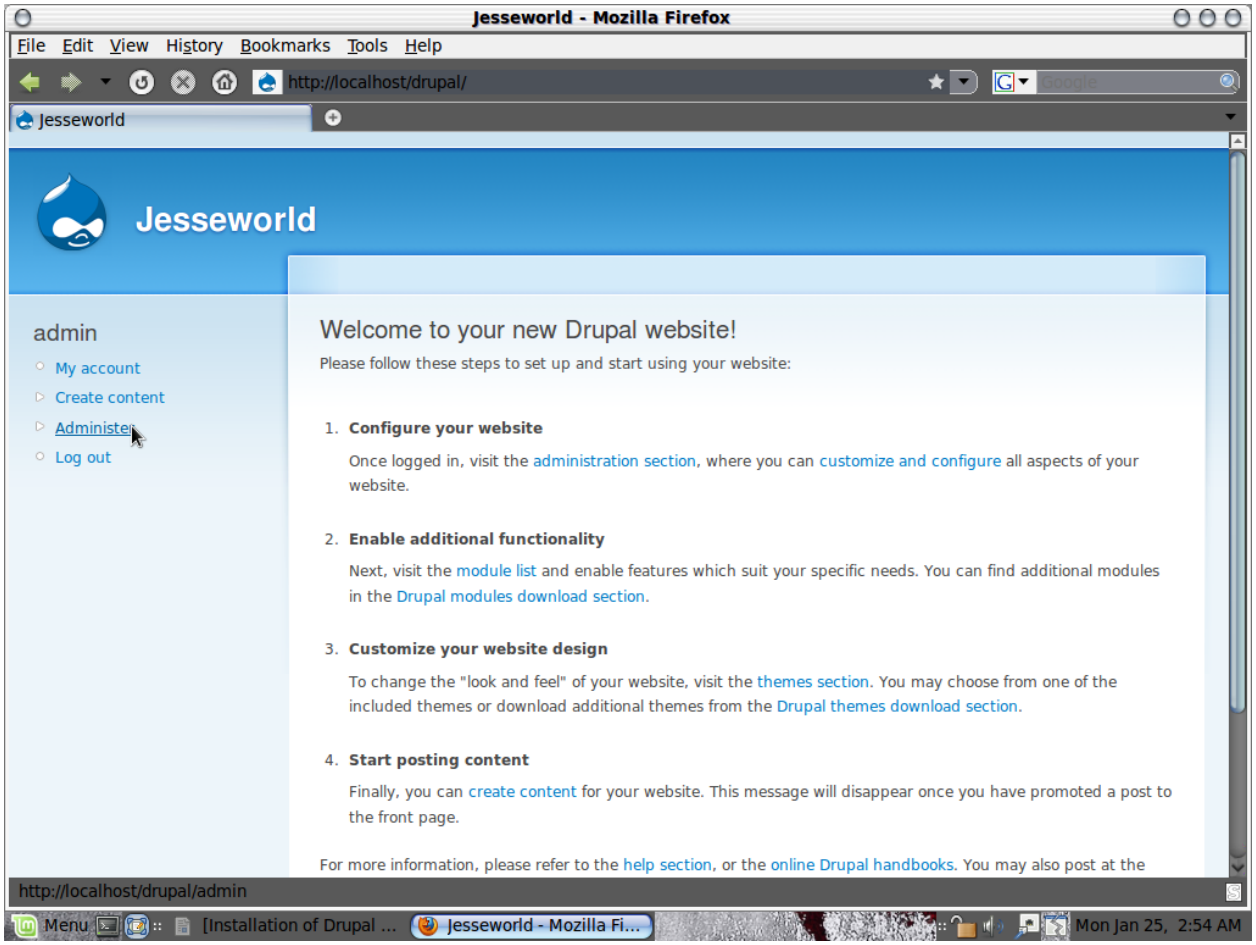
For security purposes, it will tell you to remove write permissions to the settings.php file. Let's do that:

Open the Terminal, enter the following command:

jesse@Punjabizm ~ $ sudo chmod a-w /opt/lampp/htdocs/drupal/sites/default/settings.php




After refreshing your browser screen you will see the main page of your site




TA-DA...!!!

You made it..!!

Now, you can start building your own site on your local pc.

## Automatic startup of XAMPP server

But every time you will boot up your pc you will have to Start your Xampp server by typing command in terminal winodw ( Sudo /opt/lampp/lampp start ), and I am trying to make this easy for everyone. So you should put Xampp services in Startup, so that Xampp server will automatically start, whenever you will boot up your PC. In order to do so, you will have to follow the following steps.

1. First, find out your default run level.

which is actually a folder from which the system loads its startup services at the time of boot up.

Open Terminal and type command

```
jesse@Punjabizm / $ egrep :initdefault: /etc/inittab.
```

You should no see a line containing a number between two colons.

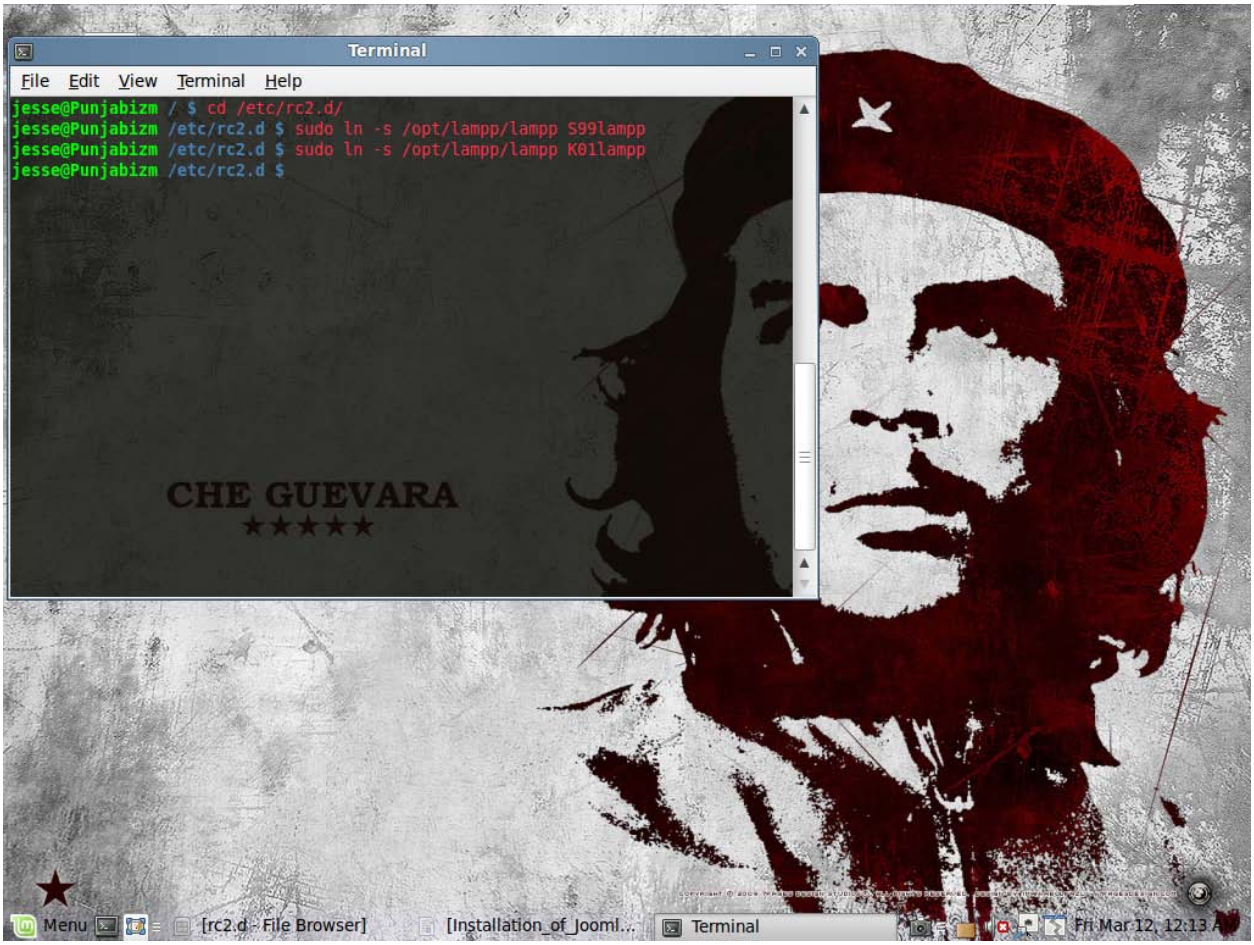
In most cases 3 or 5 (2 if you're using Debian). Now here I will chose rc3.d folder coz my pc loads its startup configuration from there.

2. Go into the directory by command mode which configures the Startup, by giving command in terminal window

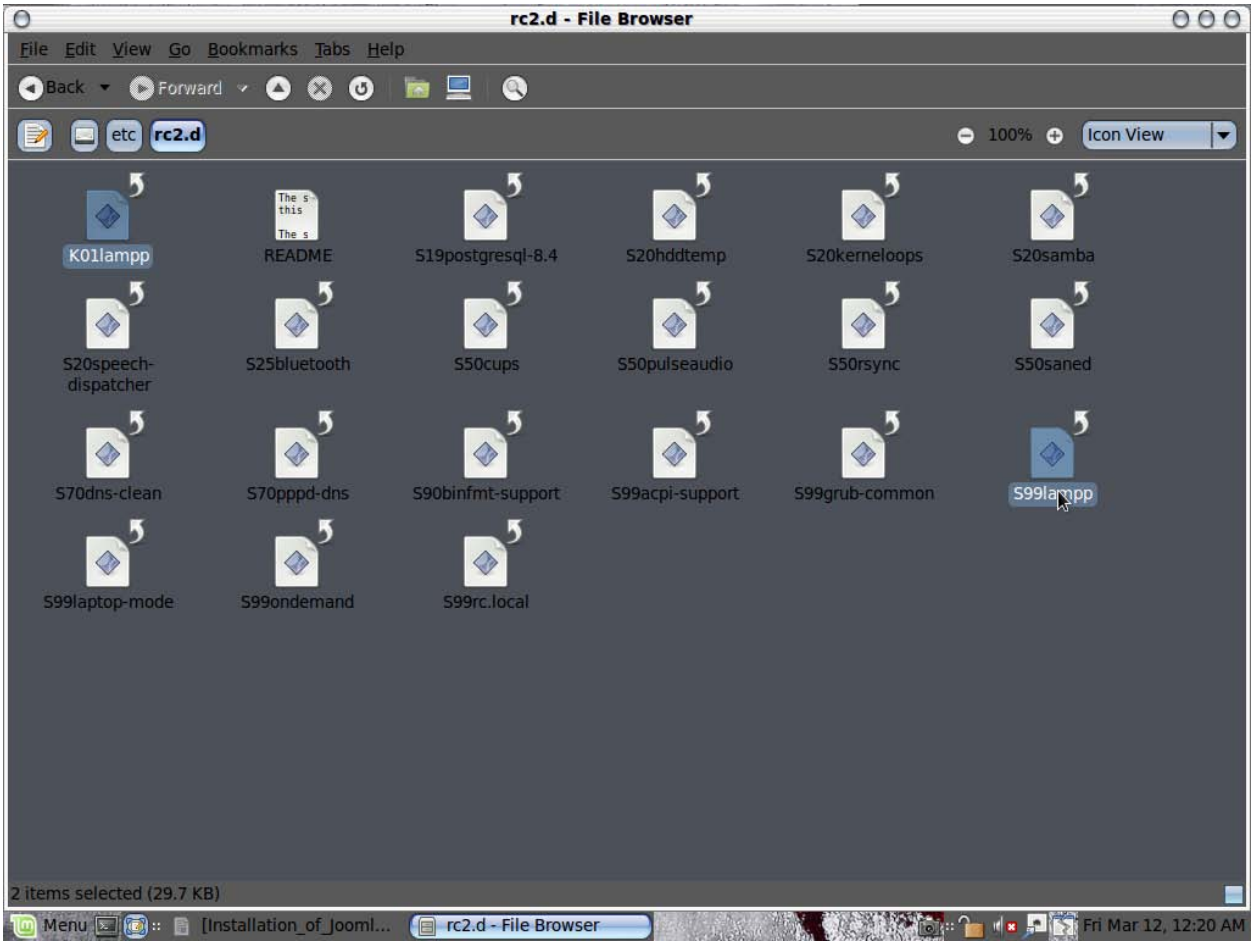
```
jesse@Punjabizm / $ cd /etc/rc2.d/
```

If your system didn't provide /etc/rc.d/rc2d please try also /etc/init.d/rc2.d and /etc/rc2.d.
In command mode now type the following command.

```
jesse@Punjabizm /etc/rc2.d $ sudo ln -s /opt/lampp/lampp S99lampp
jesse@Punjabizm /etc/rc2.d $ sudo ln -s /opt/lampp/lampp K01lampp
```



This command will put shortcuts of Xampp startup services “S99lampp” and “K01lampp” in the folder /etc/rc2.d. You can also see that in rc2.d folder.




Now XAMPP should start and stop automatically if you boot or shutdown your machine.

(Installation of both the CMS's were only for GNOME Linux platform)

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